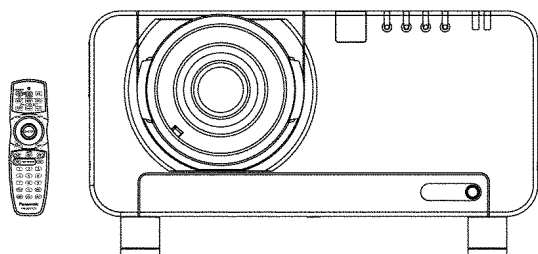


Service Manual

DLP Based Projector



PT-D10000U

PT-D10000E

PT-DW10000U

PT-DW10000E

Panasonic

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The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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CAUTION

Lithium Battery

Risk of explosion if battery is replaced by an incorrect type. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

(See also Operating Instructions.)

Precaution

If using of this projector at high altitudes (1 400 - 2 700 m), set ALTITUDE in OPTION2 menu to HIGH.

Failure to observe this may cause malfunctions.

Never use this projector at an altitude of 2 700 m or higher.

Using this projector at high altitudes, consult your dealer or Authorized Service Center about preparations.

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The guarantee will not be valid for any malfunctions caused by such actions.

About lead free solder (PbF)

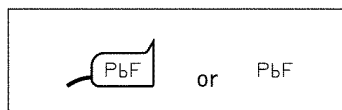
This projector is using the P.C.Board which applies lead free solder. The use of lead free solder is recommended from the standpoint of antipollution for the global environment in service.

Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically, the melting point is 30°C to 40°C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370±10°C.
- Be precautions about lead free solder: Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board

For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.



For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

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1 Safety Precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.

Be sure to use a voltmeter having the performance described in Table 1.

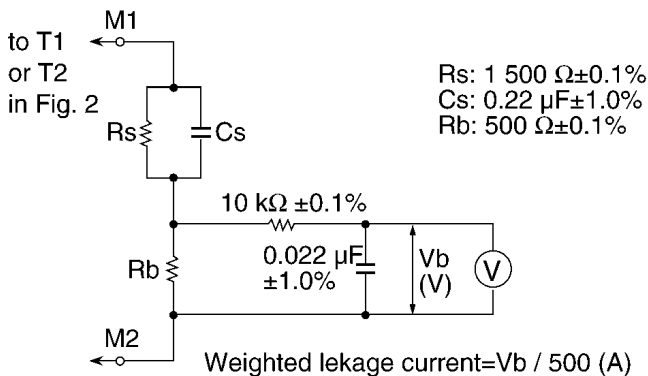


Fig. 1

	Performance
Voltmeter (rms reading)	Accuracy: $\leq 2\%$
	Input resistance: $\geq 1 \text{ M}\Omega$
	Input capacitance: $\leq 200 \text{ pF}$
	Frequency range: 15 Hz to 1 MHz

Table 1

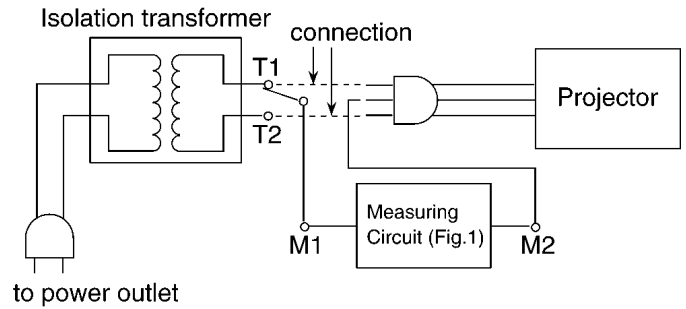


Fig. 2

2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.

2 Specifications

Model No.	PT-D10000U/E	PT-DW10000U/E
Power supply	AC 120 V, 50 Hz/60 Hz (D10000U, DW10000U) AC 220 V-240 V, 50 Hz/60 Hz (D10000E, DW10000E)	
Power consumption	15 A (U)-8 A (E) (about 25 W in standby)	
Amps	1 450 W (about 25 W in standby)	
DLP® panel		
Panel size	0.95 inch (aspect ratio 4:3)	0.95 inch (aspect ratio 16:9)
Display system	Three-unit DMD® chip, DLP® type	
Number of pixels	3 x 1 470 000 pixels (1 400 x 1 050 dots)	3 x 2 073 600 pixels (1 920 x 1 080 dots)
Lens		
Powered zoom	Option	
Powered focus control		
Projection lamp	4 bulbs x 250 W UHM lamp	
Optical output	10 000 lm	
Applicable scanning frequency		
For video signal (S-video included)	Horizontally 15.73 kHz/15.63 kHz, vertically 59.94 Hz/50 Hz Horizontally 15 kHz-100 kHz, vertically 24 Hz-120 Hz, Panasonic Intelligent Auto Scanning (PIAS) system Dot clock frequency 20 MHz-162 MHz EDID1: 480p, 576p, 720/60p, 720/59.94p, 720/50p, 1080/60p, 1080/59.94p, 1080/50p, 1080/60i, 1080/59.94i, 1080/50i, 1080/24sF, 1080/23.98sF, 1080/30p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p EDID2*1: Displayable resolution: VGA..UXGA (non-interlace) Dot clock frequency: 25 MHz-162 MHz [480i], horizontally 15.73 kHz, vertically 59.94 Hz [480p], horizontally 31.5 kHz, vertically 59.94 Hz [576i], horizontally 15.63 kHz, vertically 50 Hz [576p], horizontally 31.25 kHz, vertically 50 Hz [720/60p], horizontally 45 kHz, vertically 60 Hz [1035/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/50i], horizontally 28.13 kHz, vertically 50 Hz [1080/24p], horizontally 27 kHz, vertically 24 Hz [1080/30p], horizontally 33.75 kHz, vertically 30 Hz [1080/25p], horizontally 28.13 kHz, vertically 25 Hz [1080/24sF], horizontally 27 kHz, vertically 48 Hz [1080/60p], horizontally 67.5 kHz, vertically 60 Hz [1080/50p], horizontally 56.25 kHz, vertically 50 Hz • HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.	
For RGB signal		
For DVI-D signal		
For YPbPr signal		
Color system	7 standards (NTSC/NTSC4.43/PAL/PAN-N/PAL-M/SECAM/PAL60)	
Screen size	70 inch - 600 inch*2	
Screen aspect ratio	4:3	16:9
Projection scheme	Menu-selectable from front/rear/ceiling mount, and floor standing	
Contrast ratio	5 000:1 (when "DYNAMIC IRIS" has been set to "3")	
Interface ports		
RGB1 input terminal	1 set, BNC x 5 [For YPbPr input] Y: 1.0 V[p-p] synchronization signal included, PbPr: 0.7 V[p-p] 75 Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: 75 Ω, 1.4-5 V[p-p], positive/negative polarity automatically adjusted VD: 75 Ω, 1.4-5 V[p-p], positive/negative polarity automatically adjusted	

*1 Interlace signals are not supported even when the EDID2 mode is selected.

*2 70 inch-300 inch for ET-D75LE5

Model No.	PT-D10000U/E	PT-DW10000U/E
Interface ports		
RGB2 input terminal	1 set of high-density, D-sub 15p (female) [For YPbPr input] Y: 1.0 V [p-p] synchronization signal included, PbPr: 0.7 V[p-p] 75 Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: TTL, high-impedance, positive/negative polarity automatically adjusted VD: TTL, high-impedance, positive/negative polarity automatically adjusted • HD/SYNC, and VD terminals are not compliant with 3-value direct SYNC.	
Video input/output terminal	1 set BNC 1.0 V[p-p] 75 Ω (Active through for Video output)	
S-video input terminal	1 set Mini DIN 4p Y 1.0 V[p-p] C 0.286 V[p-p] 75 Ω Compliant with S1 signals	
DVI-D input terminal	1 set DVI 1.0 compliant HDCP (Single link only) compatible	
LAN terminal	1 set (Used for network connection) 10BASE-T/100BASE-TX PLink™ compatible	
Serial input/output terminal	D-sub 9-pin (male/female), RS232C compliant Used for personal computer control	
Remote1 input/output terminal	1 set each for M3 pin jack Wired remote control, used for link control	
Remote2 terminal	D-sub 9-pin (female) Used for external control	
Input module connection slot	One system	
Length of power supply cord	3.0 m	
Cabinet	Molded resin	
Outside dimensions	Width: 578 mm ; Height : 320 mm; Depth: 643 mm	
Mass	32 kg (without lens)	
Working environment condition	*3 Ambient temperature: 0 to 45°C Ambient humidity: 10 to 80% (no condensation)	
Remote control		
Power source	3 V DC (two AA dry cells)	
Operation range	approx. 30 m (in front of beam receiver)	
Mass	134 g(including dry cells)	
Outside dimensions	Width: 51 mm, Thickness: 23 mm , Depth: 176 mm	
Option		
Hanging attachment (For high ceiling)	: ET-PKD100H	
Hanging attachment (For low ceiling)	: ET-PKD100S	
Projection lens	: ET-D75LE1, ET-D75LE2, ET-D75LE3, ET-D75LE4, ET-D75LE5, : ET-D75LE6, ET-D75LE8	
DVI-D input module	: ET-MD77DV	
SD-SDI input module	: ET-MD77SD1	
HD/SD-SDI input Module	: ET-MD77SD3	
Replacement lamp unit	: ET-LAD10000 (single bulb), ET-LAD1000F (4 bulbs)	

*3 If using the projector at high altitude (1 400 to 2 700 m), the ambient operating temperature should be 0 °C– 40 °C.

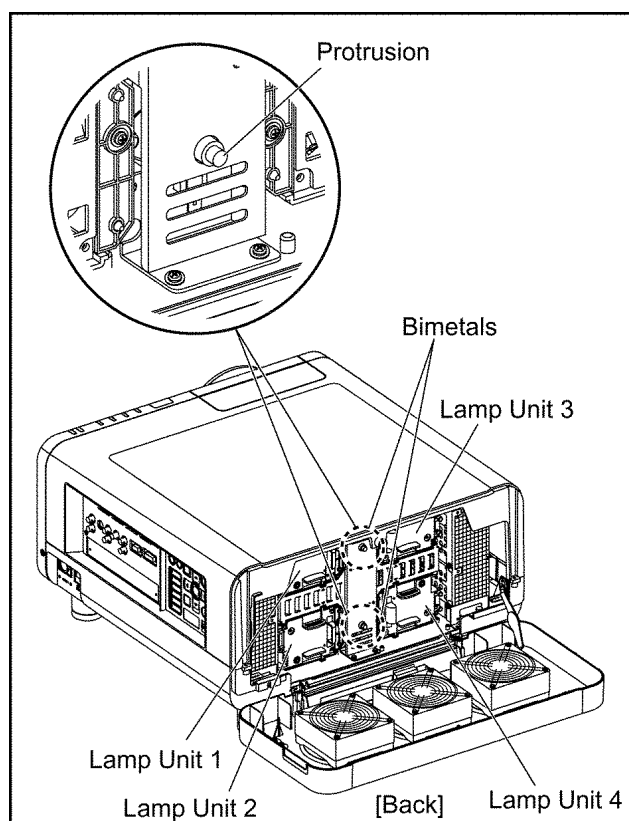
3 Function for Safety

3.1. Temperature Detection inside the Lamp Unit

This projector has 2 bimetals contacting the lamp units to protect the lamps.

If the temperature of one of the lamp units exceeds 150°C, the bimetals will operate to turn off the power. The installed position of the bimetals is shown in the figure at right.

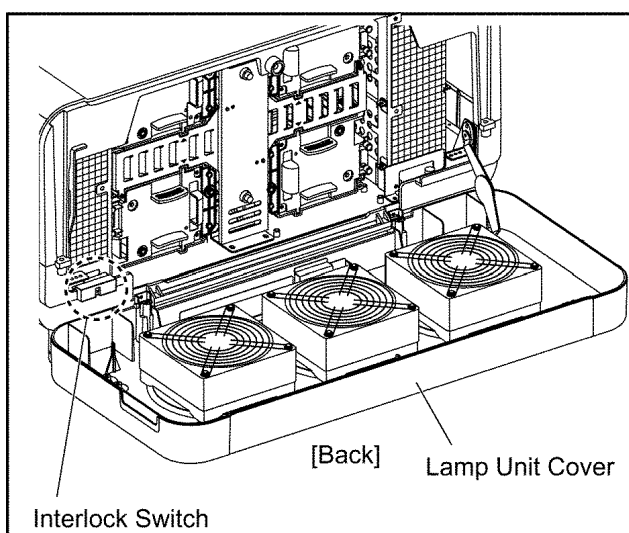
The reset the bimetal action, press the protrusion of the bimetal unit you feel a click.



3.2. Interlock Switch

To ensure safety, this projector is designed so that the power cannot be turned on when the lamp unit cover is opened or installed incorrectly.

If opening the lamp unit cover during operation, the projector will be switched to standby mode (fans stop and lamps turn off).

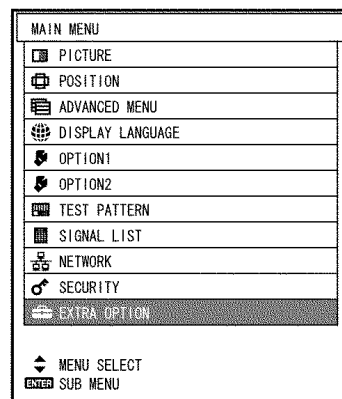
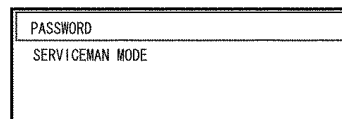
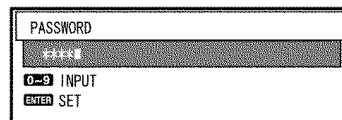
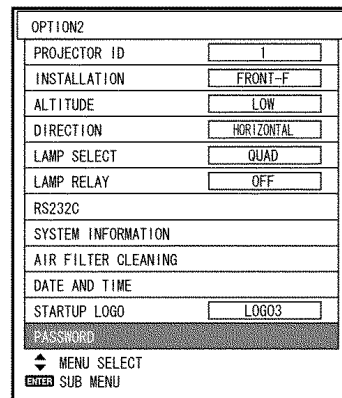
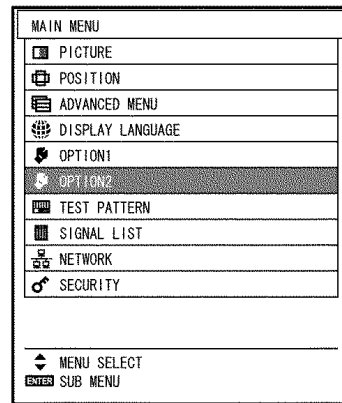


4 Serviceman Mode

This projector has Serviceman Mode in addition to standard on-screen menus (User Mode).

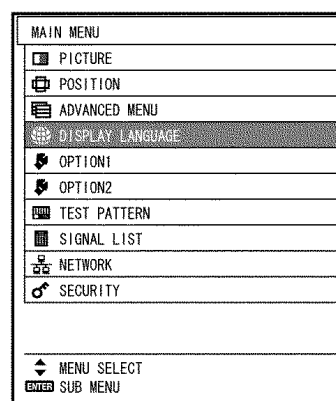
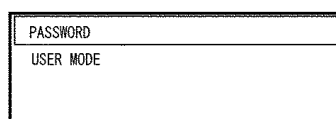
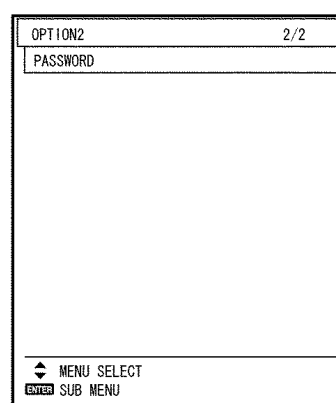
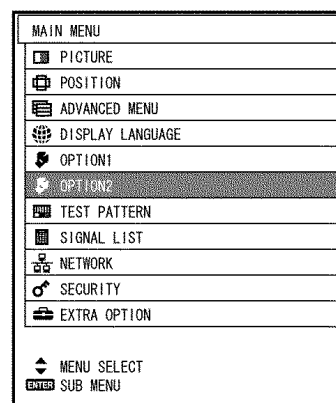
4.1. Setting to Serviceman Mode

- (1) Press the MENU button.
The MAIN MENU screen will be displayed.
- (2) Select "OPTION2" using the ▲ or ▼ buttons and press the ENTER button.
The OPTION2 screen will be displayed.
- (3) Select "PASSWORD" using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will be displayed.
- (4) Input the password "1565" with the numeric buttons (0 to 9) of the remote control unit and press the ENTER button.
Note:
 - Asterisk (*) will appear for the password numbers.
- (5) Press the MENU button, then SERVICEMAN MODE menu will be displayed.



4.2. Resetting to User Mode

- (1) Press the MENU button.
The MAIN MENU screen will be displayed.
- (2) Select "OPTION2" using the ▲ or ▼ buttons and press the ENTER button.
The OPTION2 screen will be displayed.
- (3) Select PASSWORD using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will be displayed.
- (4) Input the password "0000" with the numeric buttons (0 to 9) of the remote control unit and press the ENTER button.
Note:
 - Asterisk (*) will appear for the password numbers.
- (5) Press the MENU button, then USER MODE menu will be displayed.



4.3. Functions in Serviceman Mode

4.3.1. Additional Functions for ADVANCED MENU

- FRAME LOCK
Sets the frame lock.
- V MASK
Sets the V mask.
- PLL SETTING

Sets the VCO and the charge pump.

4.3.2. Additional Functions for OPTION2

- MAX AVAILABLE LAMP

Sets the maximum number of lamps that can be used. Usually, set it to "4".

- AIR FILTER CLEANING

CLEANING menu is added into AIR FILTER CLEANING.

ON: Default setting

OFF: Disables automatic cleaning operation.

- SYSTEM INFORMATION

The number of pages of screens displayed when selecting becomes "4" in Serviceman Mode from "2" in User Mode.

SELF CHECK

Page 1 and page 2 are the same as User Mode, the display of DDP (formatter software) version is added on page 3 and the display of SELF CHECK result is added to page 4.

The display contents of SELF CHECK are as follows.

Display example

SELF CHECK		
TEMP: 28 (IN) / 59 (OUT) / 58 (OPT)		①
TIME ON FAIL IGN-FAIL		
LAMP1: 10.0h/ 12/ 1/ 0		②
LAMP2: 76.5h/ 94/ 3/ 2		③
LAMP3: 76.5h/ 94/ 3/ 2		④
LAMP4: 76.5h/ 94/ 3/ 2		⑤
SIGNAL: 123.45kHz/123.45Hz NN		⑥
L1 L2 L3 L4---2.5 3.3 5.0		
VOLT: 75/OFF/IDE/73/ /2.5/3.3/5.0		⑦
FAN: 00000 00000 00000 000		⑧
CODE: **** **** **** ****		⑨

◀▶ CHANGE		

* This display is an example and the display contents depend on SELF CHECK result.

	Display Contents	Remarks
①	Temperature display (Celsius)	Intake air temperature (IN), Lamp surroundings temperature (OUT) and Optical module temperature (OPT) are shown from the left. *1
②	Lamp 1 diagnosis information	Cumulative usage time, Lamp on frequency, Going out frequency and Lighting failure frequency are shown from the left. *2
③	Lamp 2 diagnosis information	
④	Lamp 3 diagnosis information	
⑤	Lamp 4 diagnosis information	
⑥	Information on sync signal in input signal	H-sync frequency, V-sync frequency, H-sync polarity and V-sync polarity are shown from the left. *3
⑦	Lamp voltage and DC voltage	Lamp 1, Lamp 2, Lamp3, Lamp4, 2.5 V line, 3.3 V line and, 5 V line are shown from the left. *4
⑧	Fan error	After SELF CHECK screen is displayed last time, the content where the error occurs newly is displayed in red. (The display change in SYSTEM INFORMATION is excepted.)
⑨	Error-code	After SELF CHECK screen is displayed last time, the content where the error occurs newly is displayed in red. (The display change in SYSTEM INFORMATION is excepted.)

*1 If each thermosensor is not connected, it is displayed as "ERR".

Example: ERR(OPT)

*2 Cumulative usage time is every 30 minutes, for less than 30 minutes, it is accumulated assuming that it lit for 30 minutes.

*3 H-sync polarity and V-sync polarity are displayed by either "N" (Negative) or "P" (Positive).

*4 Lamp voltage is displayed by either "0-255" (Lamp voltage, unit: V), "OFF" (Normal OFF), "IGN" (Lighting failure), "VLA" (Stop because the lamp voltage is more than upper limit), "IDE" (Stop because the lamp current is less than the specific value, for example, lamp cable disconnection, etc), "380" (Stop because 380V abnormal), "THE" (Stop because of the rise in heat) or "ERR" (others).
DC voltage (each voltage line) display is measurements in A-P.C.Board.

4.3.3. Addition of EXTRA OPTION

• LIGHT OUTPUT

Adjusts brightness with Dynamic Iris. It darkens as the value becomes small.

• CUT OFF

Sets whether to display each color of Red, Green and Blue.

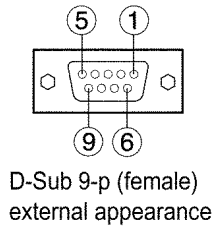
• ENTRY SIGNAL CLEAR

Deletes all entry signals.

• REMOTE 2 MODE

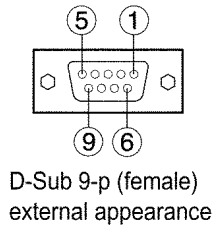
Sets the function of REMOTE2 terminal.

[DEFAULT]



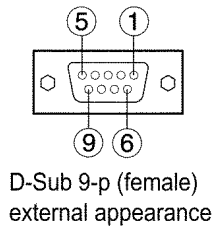
Pin No.	Function	Open	Short
①	GND	—	GND
②	POWER	OFF	ON
③	RGB1	other	RGB1
④	RGB2	other	RGB2
⑤	VIDEO	other	VIDEO
⑥	S-VIDEO	other	S-VIDEO
⑦	DVI-D	other	DVI-D
⑧	SHUTTER	OFF	ON
⑨	REMOTE2 selection	Disable	Enable

[D7700]



Pin No.	Function	Open	Short
①	GND	—	GND
②	POWER	OFF	ON
③	RGB1	other	RGB1
④	RGB2	other	RGB2
⑤	VIDEO	other	VIDEO
⑥	S-VIDEO	other	S-VIDEO
⑦	AUX	other	AUX
⑧	SHUTTER	OFF	ON
⑨	REMOTE2 selection	Disable	Enable

[L6600]



Pin No.	Function	Open	Short
①	GND	—	GND
②	POWER	OFF	ON
③	RGB/VIDEO	RGB	VIDEO/S-VIDEO
④	—	—	—
⑤	Input switching	VIDEO/RGB1	S-VIDEO/RGB2
⑥	DVI switching	VIDEO/RGB	(None)/DVI-D
⑦	—	—	—
⑧	—	—	—
⑨	REMOTE2 selection	Disable	Enable

[USER]

Be able to allocate arbitrary input switching functions into the pins 3-7.

Be able to allocate POWER into the pin 2.

Be able to allocate SHUTTER into the pin 8.

• POWER ON SHUTTER

OPEN: Opens the shutter when power ON.

CLOSE: Closes the shutter when power ON.

• POWER OFF SHUTTER

OPEN: Opens the shutter when power OFF.

CLOSE: Closes the shutter when power OFF.

IGNORE: Does not control the shutter when power OFF.

- COLOR FILTER

NONE: Default setting

INSTALLED: When installing the color filter that expands the color region

- UNIFORMITY

Sets the value of color unevenness correction.

- FRONT LAMP LED

ON: Default setting

OFF: Prohibits a green lighting.

- LAMP CHANGE MUTE

ON: Turns off the projection temporarily when switching the lighting lamp.

OFF: Does not turn off the projection when switching the lighting lamp. However, a video noise might appear momentarily in the projection.

- LENS SHIFT CALIBRATION

Calibrates the limit and the home position of the lens shift.

Execute LENS SHIFT CALIBRATION according to the procedure of the next paragraph when replacing the lens mount, LH-Module or LV-Module.

4.3.4. Execution of LENS SHIFT CALIBRATION

1. Enter the serviceman mode according to the section 4.1. "Setting to Serviceman Mode".
2. Select LENS SHIFT CALIBRATION in EXTRA OPTION.
3. Press the ENTER button. When you execute LENS SHIFT CALIBRATION, press the ENTER button again when displayed "SURE?".
4. The lens moves up/down/right/left, and the limit and the home position values of the shift are set again automatically.
5. When the lens stops, re-setting is finished.

5 Self-diagnosis Display

There is a self-diagnosis display located at the side of the projector which automatically displays error details when an error occurs. If an error-code is displayed in the self-diagnosis display, check the part of the cause according to the content of the error-code table below.

5.1. Error-code Table

Error-code	Contents	Shutdown	Error display condition	Remarks
U11	Temperature warning (IN)	✕	Intake air temperature is the specific value or higher.	
U12	Temperature warning (OPT)	✕	Optical module temperature is the specific value or higher.	
U13	Temperature warning (OUT)	✕	Lamp surroundings temperature is the specific value or higher.	
U14	Low temperature warning (OPT)	✕	Optical module temperature is less than the specific value.	
U21	Temperature error (IN)	○	Intake air temperature is the specific value or higher.	After turning on the power, the shutdown processing is not done for 2.5 minutes.
U22	Temperature error (OPT)	○	Optical module temperature is the specific value or higher.	
U23	Temperature error (OUT)	○	Lamp surroundings temperature is the specific value or higher.	
U24	Low temperature error (OPT)	*1	Optical module temperature is less than 5°C.	
U41	Lamp 1 operating time warning	✕	Lamp cumulative usage time is 1 800 hour or longer.	LAMP monitor lights in red.
U42	Lamp 2 operating time warning	✕		
U43	Lamp 3 operating time warning	✕		
U44	Lamp 4 operating time warning	✕		
U61	Lamp 1: 2 000 hour operating time exceeded	*2	Lamp cumulative usage time is 2 000 hour or longer.	After turning on the lamp, it will turn off in 10 minutes. LAMP monitor lights in red.
U62	Lamp 2: 2 000 hour operating time exceeded	*2		
U63	Lamp 3: 2 000 hour operating time exceeded	*2		
U64	Lamp 4: 2 000 hour operating time exceeded	*2		

Error-code	Contents	Shutdown	Error display condition	Remarks
U51	Lamp 1 going out	*2	Lamp goes out after turning on.	LAMP monitor blinks 3 times in red.
U52	Lamp 2 going out	*2		
U53	Lamp 3 going out	*2		
U54	Lamp 4 going out	*2		
U51	Lamp 1 lighting failure	*2	Lamp ignition failure	LAMP monitor blinks 3 times in red.
U52	Lamp 2 lighting failure	*2		
U53	Lamp 3 lighting failure	*2		
U54	Lamp 4 lighting failure	*2		
U70	Air filter unit not installed	×	Air filter unit is not installed.	Confirms the installation when turning on the power.
U71	Lamp 1 not installed	○	Lamp is not installed (The lamp memory cannot be read.)	LAMP monitor blinks 3 times in red.
U72	Lamp 2 not installed	○		
U73	Lamp 3 not installed	○		
U74	Lamp 4 not installed	○		
U81	AC power supply voltage drop warning (less than 90 V)	×	AC power supply voltage drops.	
U91	Lamp unit cover is not closed	○	Lamp unit cover is not closed for 1 second or longer.	If the cover is not closed when turning on the power, it does not turn on.
H11	Thermosensor disconnected (IN)	○	Intake air thermosensor is disconnected.	
H12	Thermosensor disconnected (OPT)	○	Optical module thermosensor is disconnected.	
H13	Thermosensor disconnected (OUT)	○	Lamp surroundings thermosensor is disconnected.	
H18	Airflow sensor disconnected	×	Airflow sensor is disconnected.	
U04	Air filter is blocked	×	The air filter accumulates dust.	
H01	Internal clock battery replacement	×	The date is before December 31, 2005 or after January 1, 2036.	If this error occurs, the date is reset on 00:00:00, January 1, 2006.
FE1	Fan error 1: P-UNIT FAN	○	The fan stops for 5 seconds or longer.	Power unit fan
FE2	Fan error 2: LAMP1 FAN	○		Lamp fan 1
FE3	Fan error 3: LAMP2 FAN	○		Lamp fan 2
FE4	Fan error 4: LAMP3 FAN	○		Lamp fan 3
FE5	Fan error 5: LAMP4 FAN	○		Lamp fan 4
FE6	Fan error 6: BALLAST1 FAN	○		Ballast fan 1
FE7	Fan error 7: BALLAST3 FAN	○		Ballast fan 3
FE8	Fan error 8: RADIATOR FAN	○		Radiator fan
FE9	Fan error 9: EXHAUST FAN C	○		Exhaust fan (C)
FF0	Fan error 10: EXHAUST FAN L	○		Exhaust fan (L)
FF1	Fan error 11: EXHAUST FAN R	○		Exhaust fan (R)
FF2	Fan error 12: R-DMD FAN	○		R-DMD fan
FF3	Fan (Module) error 13: G-LIQUID COOLING	○		Liquid cooling pump (G)
FF4	Fan (Module) error 14: B-LIQUID COOLING	○		Liquid cooling pump (B)
FF5	Fan error 15: C-PRISM FAN	○		Color prism fan
FF6	Fan error 16: L-PRISM FAN	○		Lamp prism fan
FF7	Fan error 17: BALLAST2 FAN	○		Ballast fan 2
FF8	Fan error 18: BALLAST4 FAN	○		Ballast fan 4
F11	Shutter error	×	Shutter error	
F12	Dynamic iris error	×	Dynamic iris error	
F13	Air filter unit error	×	Air filter cleaning processing time-out	
F21	2.5 V DC error	○	2.5 V DC error	
F22	3.3 V DC error	○	3.3 V DC error	
F23	5.0 V DC error	○	5.0 V DC error	
F41	Lamp 1 memory error	*2	Lamp EEPROM is abnormal.	LAMP monitor blinks 3 times in red.
F42	Lamp 2 memory error	*2		
F43	Lamp 3 memory error	*2		
F44	Lamp 4 memory error	*2		
FP1	Lamp 1 PFC error	*2	Lamp 1 PFC error	LAMP monitor blinks 3 times in red.
FP2	Lamp 2 PFC error	*2	Lamp 2 PFC error	
FP3	Lamp 3 PFC error	*2	Lamp 3 PFC error	
FP4	Lamp 4 PFC error	*2	Lamp 4 PFC error	
F91	FPGA1 configuration error	○	A-P.C.Board is abnormal.	
F92	FPGA2 (SXGA+) configuration error	○	FH-Module is abnormal.	for PT-D10000*
F92	FPGA2 (FULL-HD) configuration error	○		for PT-DW10000*

Error-code	Contents	Shutdown	Error display condition	Remarks
F93	Flash ROM error	○	The circuit around CPU on A-P.C.Board is abnormal.	
F94	RAM error	○		
F95	FPGA expansion error	○		
F96	Lens shift error	×	The circuit for lens position detection is abnormal.	

Explanatory notes of shutdown column

○ Shutdown occurs.

× Shutdown does not occur.

*1 Shutdown occurs only when starting. (Shutdown does not occur even if the temperature becomes less than 5°C during normal operating.)

*2 Shutdown occurs when all lamps cannot be lit.

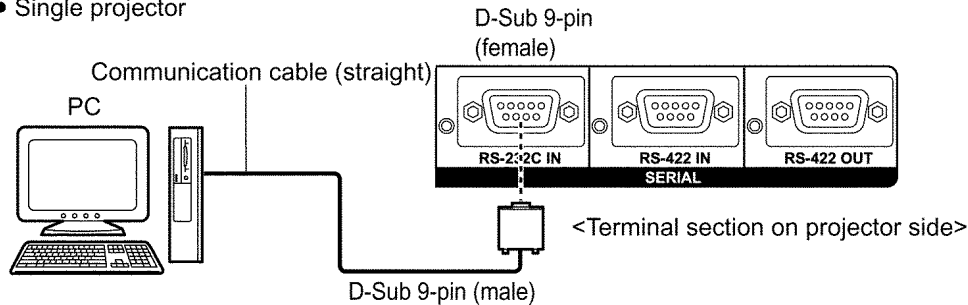
6 Using the Serial Terminals

The main unit is equipped with SERIAL terminals located in its terminal section on the side, and this terminal is compliant with RS-232C/RS-422. Also a serial output terminal is provided to enable plural projector control.

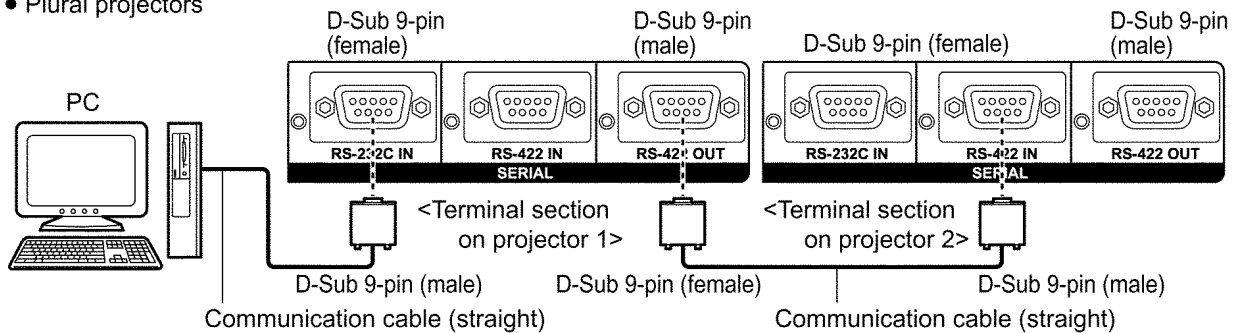
6.1. Example of Connection

RS-232C

- Single projector

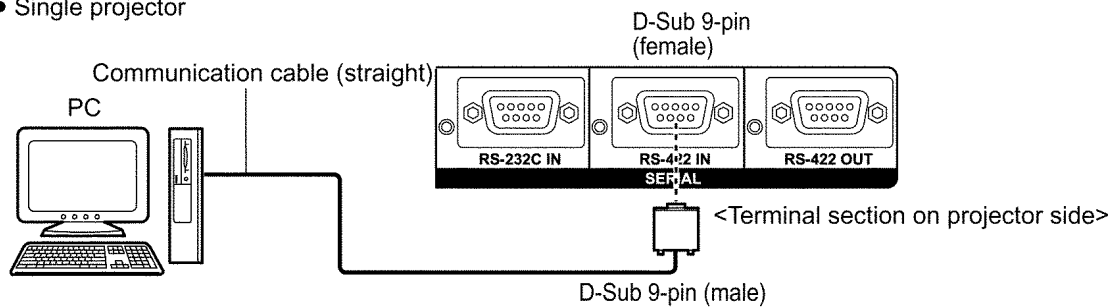


- Plural projectors

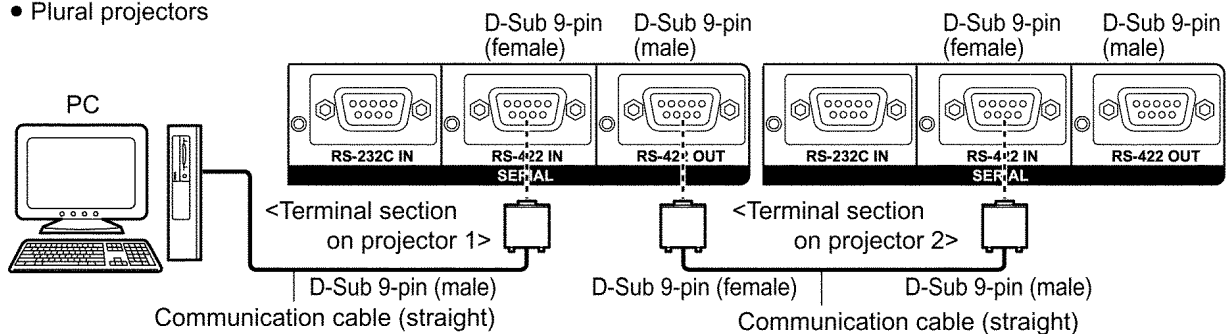


RS-422

- Single projector



- Plural projectors

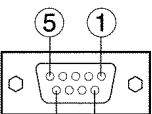


6.2. Pin Assignments and Signal Names

RS-232C

[RS-232C-IN]

D-Sub 9-pin (female), external appearance



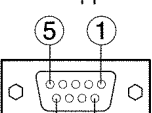
Serial input terminal

Pin No.	Signal name	Description
①		NC
②	TXD	Send data
③	RXD	Receive data
④		Connected internally
⑤	GND	Ground
⑥		NC
⑦	CTS	Connected internally
⑧	RTS	
⑨		NC

RS-422

[RS-422-IN]

D-Sub 9-pin (female), external appearance

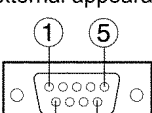


Serial input terminal

Pin No.	Signal name	Description
①	NC	No connection
②	TXD (-)	Send data
③	RXD (+)	Receive data
④		Connected internally
⑤	NC	No connection
⑥		Connected internally
⑦	TXD (+)	Send data
⑧	RXD (-)	Receive data
⑨	FG	GND

[RS-422-OUT]

D-Sub 9-pin (male), external appearance



Serial output terminal

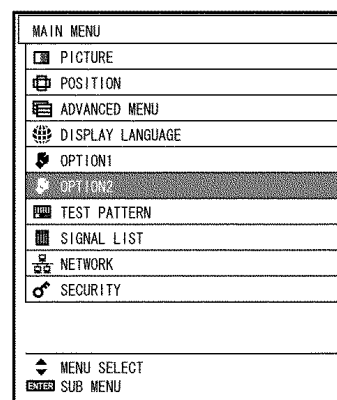
Pin No.	Signal name	Description
①	NC	No connection
②	RXD (-)	Receive data
③	TXD (+)	Send data
④		Connected internally
⑤	NC	No connection
⑥		Connected internally
⑦	RXD (+)	Receive data
⑧	TXD (-)	Send data
⑨	FG	GND

6.3. Communication Conditions (Factory Setting)

Signal level	RS-232C/RS-422-compliant
Synchronization method	Start-stop synchronization
Baud rate	9 600bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

6.4. Procedure of Communication Condition Settings

- Press the MENU button.
The MAIN MENU screen will be displayed.
- Select OPTION2 using the ▲ or ▼ buttons.



- (3) Press the ENTER button.
The OPTION2 screen will be displayed.
- (4) Select RS232C using the ▲ or ▼ buttons.

OPTION2	
PROJECTOR ID	1
INSTALLATION	FRONT-F
ALTITUDE	LOW
DIRECTION	HORIZONTAL
LAMP SELECT	QUAD
LAMP RELAY	OFF
RS232C	
SYSTEM INFORMATION	
AIR FILTER CLEANING	
DATE AND TIME	
STARTUP LOGO	LOGO3
PASSWORD	
⬆ MENU SELECT	
ENTER SUB MENU	

- (5) Press the ENTER button.
The RS-232C screen will be displayed.
- (6) Select SERIAL IN using the ▲ or ▼ buttons.
- (7) Press ◀ ▶ buttons to switch SERIAL IN.
RS-232C and RS-422 will switch each time the button is pressed.
- (8) Select communication conditions using the ▲ or ▼ buttons.

RS232C	
SERIAL IN	RS-232C
(IN) BAUDRATE	38400
(IN) PARITY	EVEN
(OUT) BAUDRATE	38400
(OUT) PARITY	EVEN
VPS SYSTEM	MASTER
GROUP	A
	MASTER
SIGNAL SELECTOR	ON
⬆ MENU SELECT	
⬅ CHANGE	

- (9) Press ◀ ▶ buttons to confirm the setting.
- (10) Press the MENU button 3 times.
The on-screen indications disappear, and the system returns to the normal screen.

6.5. Control commands

PrintDB
Refer to "Control Commands".

6.6. Cable specifications

<Connecting to a PC>
For RS-232C

Projector		Computer (DTE specifications)	
1	NC	NC	1
2			2
3			3
4	NC	NC	4
5			5
6	NC	NC	6
7			7
8			8
9	NC	NC	9

When multiple projectors are connected**1st (RS-422 OUT)**

1
2
3
4
5
6
7
8
9

2nd (RS-422 IN)

1
2
3
4
5
6
7
8
9

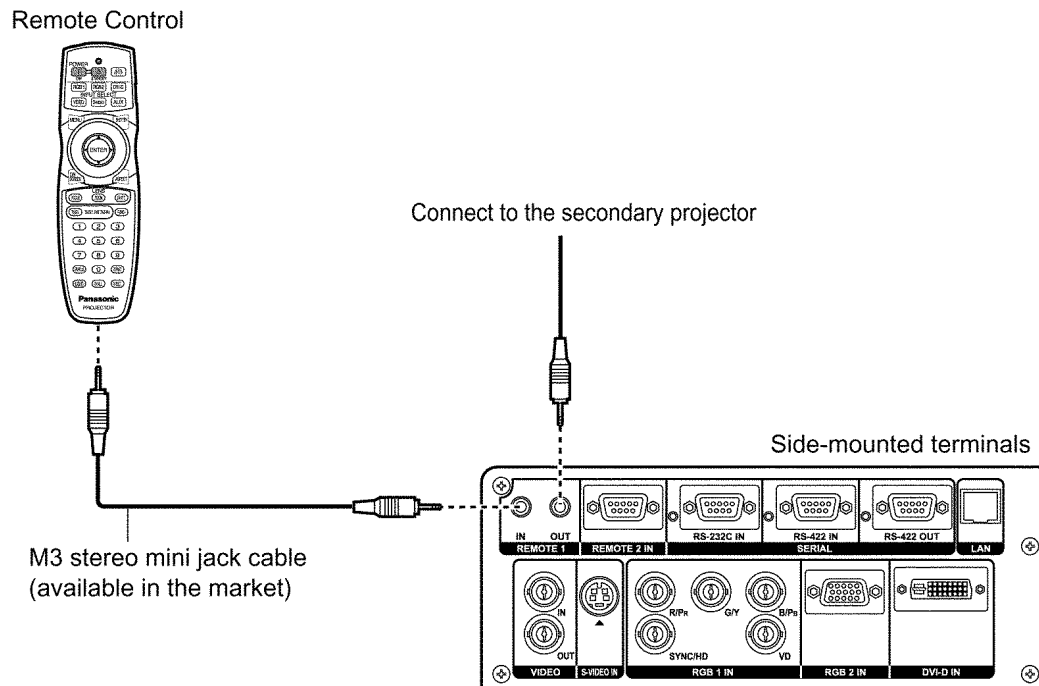
Note

To connect the computer to the SERIAL terminal, prepare an adequate communication cable that fits to your personal computer.

7 Using a Wired Remote Control

7.1. Connection Example

When multiple main units are connected as part of the system, connect to units with a M3 stereo mini jack cable (sold separately) to simultaneously control multiple main units with a single remote control through the REMOTE1 IN/OUT terminal. It is effective to use the wired remote control in the environment in which an obstacle stands in the light path or where devices are susceptible to outside light.



- Use a two-wire shielded cable with a length of 15 m or less. If the length of the cable exceeds 15 m, the shielding of the cable may not be sufficient and the remote control may not work.

7.2. Setting Projector ID Number to Remote Control

Every projector has its ID number and the ID number of the controlling projector must be set to the remote control in advance so that the user can operate the remote control. The ID number of the projector is set to "ALL" on shipping, and use the ID ALL button of the remote control when using only a single projector.

Procedure of ID setting

Press ID SET, and then within 5 seconds, press the two numeric (0-9) buttons which correspond to the ID number that has been set for the projector.

- The main unit has its ID number (1-64 or ALL), and set to remote control when the ID number is 1-9 as 01-09. When the ID number is "ALL", set it with the ID ALL button of the remote control unit.
- Do not press the ID SET button accidentally or carelessly because the ID number on the Remote Control can be set even when no projector is around.
- If you do not enter the two-digit ID number within 5 seconds after the ID SET button has been pressed, the ID number will remain at the number that was set before the ID SET button was pressed.
- Your specified ID number is stored in the remote control unit unless another one is specified later. However, the stored ID will be erased if the batteries of the remote control are left exhausted. When the batteries are replaced, set the same ID number again.

8 Support for Service

8.1. Supporting Methods

We will support according to the following methods.

Supporting methods	Applied parts
Replaced by module or block	K-Module
	PC-Module
	PF-Module
	NN-Module
	FH-Module
	B/Q-Module (For specified components, supplies them discretely.)
	CL-P.C.Board
	J-P.C.Board
	J2-P.C.Board
	J3-P.C.Board
	R-P.C.Board
	R2-P.C.Board
	R3-P.C.Board
	L1-P.C.Board
	L2-P.C.Board
	L3-P.C.Board
	L4-P.C.Board
	H-P.C.Board
	SL-P.C.Board
	LH-P.C.Board
	LV-P.C.Board
Replaced at the manufacturing department	Optical block (Analysis block, Color prism block)
	Analysis mirror
Replaced by discrete components	Lens mount
	Liquid cooling unit
	DMD™ block
	Other components

8.2. Note for Replacement of A-P.C.Board

Transfer the data of the original A-P.C.Board to the new A-P.C.Board using the adjustment software and a personal computer. (If you cannot transfer the data, remove IC2611, IC2618 and IC2619 from the original board and mount them on the new board.)

* Consult your dealer or Authorized Service Center for the adjustment software.

8.3. Replacement of the lithium battery on the A-P.C.Board

If the lithium battery will be empty, replace it with a new one (CR2032 or equivalent).

Cautions

- Explosion may occur if replacing the battery with an incorrect one.
- Dispose of used batteries according to the instructions.

9 Cautions for Service

9.1. Servicing Methods

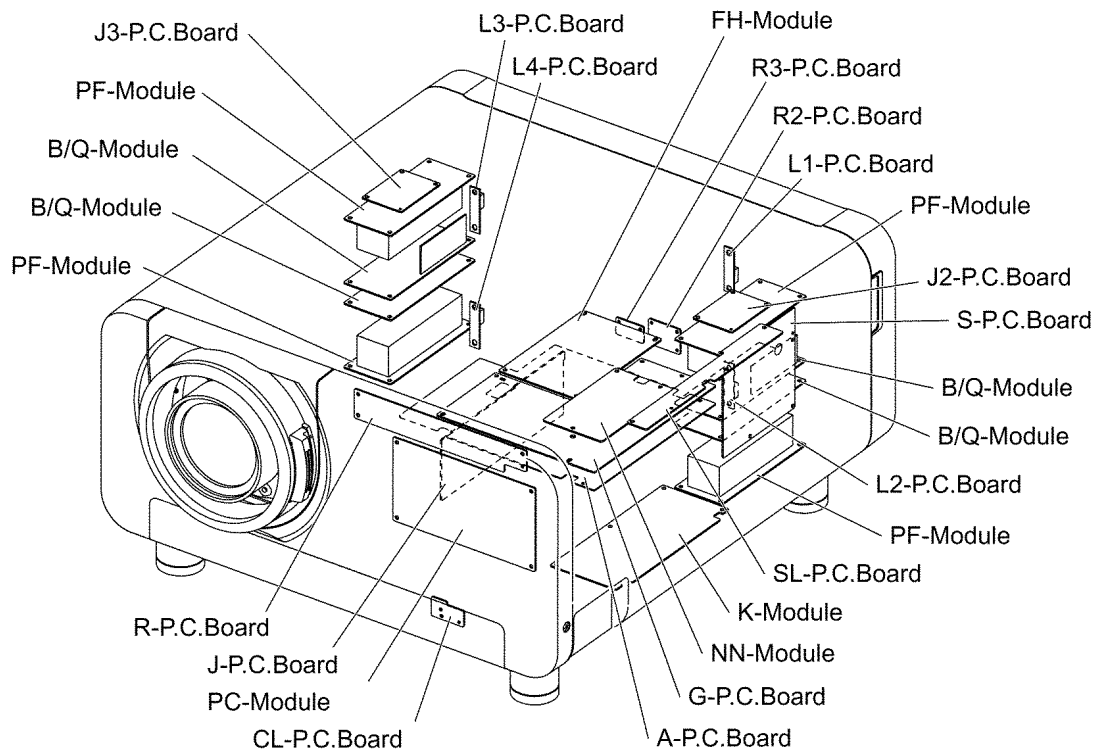
- Never unplug the power cord from the outlet, open the circuit breaker, or perform other procedures to cut off the power line during the operation of any cooling fan.
- Be sure to unplug the power cord from the power outlet before servicing.

Powering off the projector

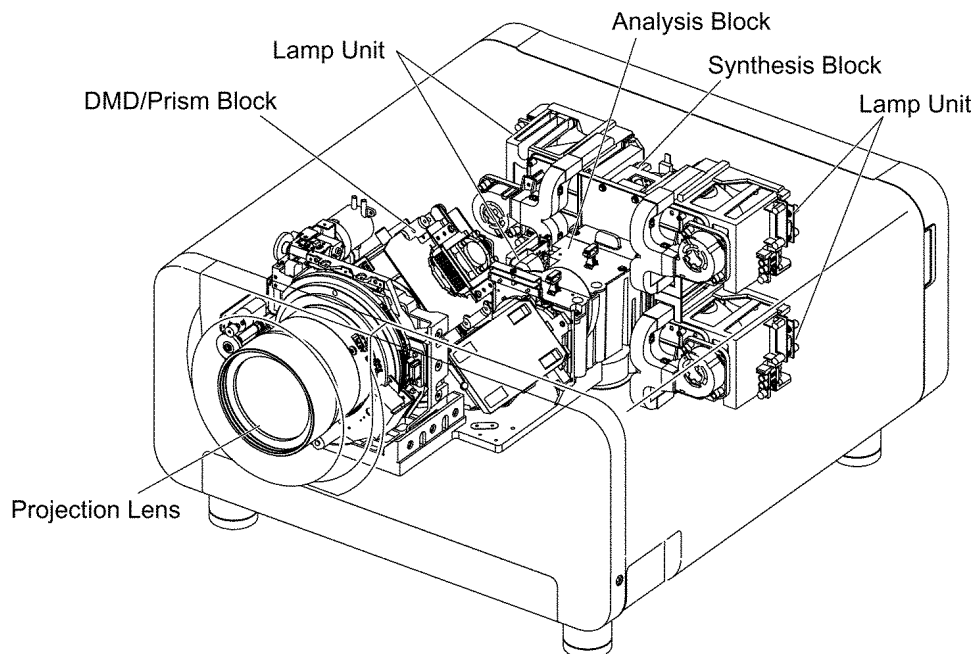
1. Press the POWER STANDBY "  " button.
2. Select "OK" with  or  button and press the ENTER button. (or press the POWER STANDBY "  " button again.)
The projection of the image stops, and power indicator lamp of the main unit lights up orange. (The cooling fan keeps running.)
3. Wait until the power indicator lamp of the main unit turns to red (i.e., until the cooling fan stops).
4. Press the "  " marked side of the MAIN POWER switch to remove all power from the projector.

10 Parts Location

10.1. Electrical Parts Location



10.2. Electromechanical Parts Location



11 Replacement of Lamp Unit

Cautions

- Wait until the lamp is cooled sufficiently before replacing the lamp unit.
- Make sure that all four lamp units are installed.
- Replace of the lamp unit should be carried out by a qualified technician.

11.1. Precautions on Lamp Unit Replacement

Remove the power plug and confirm that the surroundings of the lamp unit have cooled off.

- Be careful when handling a light source lamp. The lamp unit has high internal pressure. If improperly handled, explosion might result.
- A used lamp unit may burst if it is handled violently.
For disposition of used lamps, request an industrial waste disposal contractor.
- If you continue to use a lamp after the replacement time, the lamp may break.
- Philips screwdriver is necessary when replacing a lamp unit.
Take care not to slip your hand when using a screwdriver.

Attention

- A lamp unit is an optional part. Contact the dealer.
Replacement lamp unit model No.: ET-LAD10000 (single bulb), ET-LAD1000F (4 bulbs)
Rating: 250 W
- Other lamps than specified above cannot be used. Be sure to use the specified lamp.

11.2. Timing of Lamp Unit Replacement

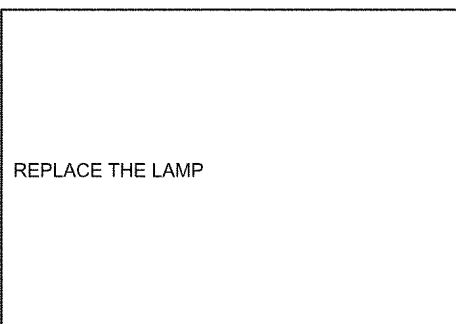
The lamp used for the light source has its due life. The life of light source lamp used in the main unit is 2 000 hours. However, it may happen that the lamp becomes dead (will not light) by the time of 2 000 hours depending on the characteristics of individual lamps and working conditions (lamps may reduce their life affected by the times of lighting and the intervals between previous lighting and next lighting). Therefore, it is strongly recommended for the user to keep a spare bulb. If a lamp unit has not been replaced after 2 000 hours of operation have elapsed, the lamp will turn off automatically. when the operating time for all of the lamps reaches 2 000 hours or more, the power will turn off automatically approximately 10 minutes after it is turned on, and the projector will switch to standby mode.

• Indication after 1 800 hours

When lamp unit used hours have reached 1 800 hours, lamp monitor (LAMP 1, LAMP 2, LAMP 3 or LAMP 4) light up including standby state.

Further, an on-screen indication will appear for about 30 seconds as shown in the diagram on the right, recommending replacement of lamp unit. (The indication on the right diagram will disappear after about 30 seconds or when either control button on the rear of main unit or remote control button is operated.)

After the time of 2 000 hours, the on-screen indication will not disappear unless the menu (MENU) button is operated.



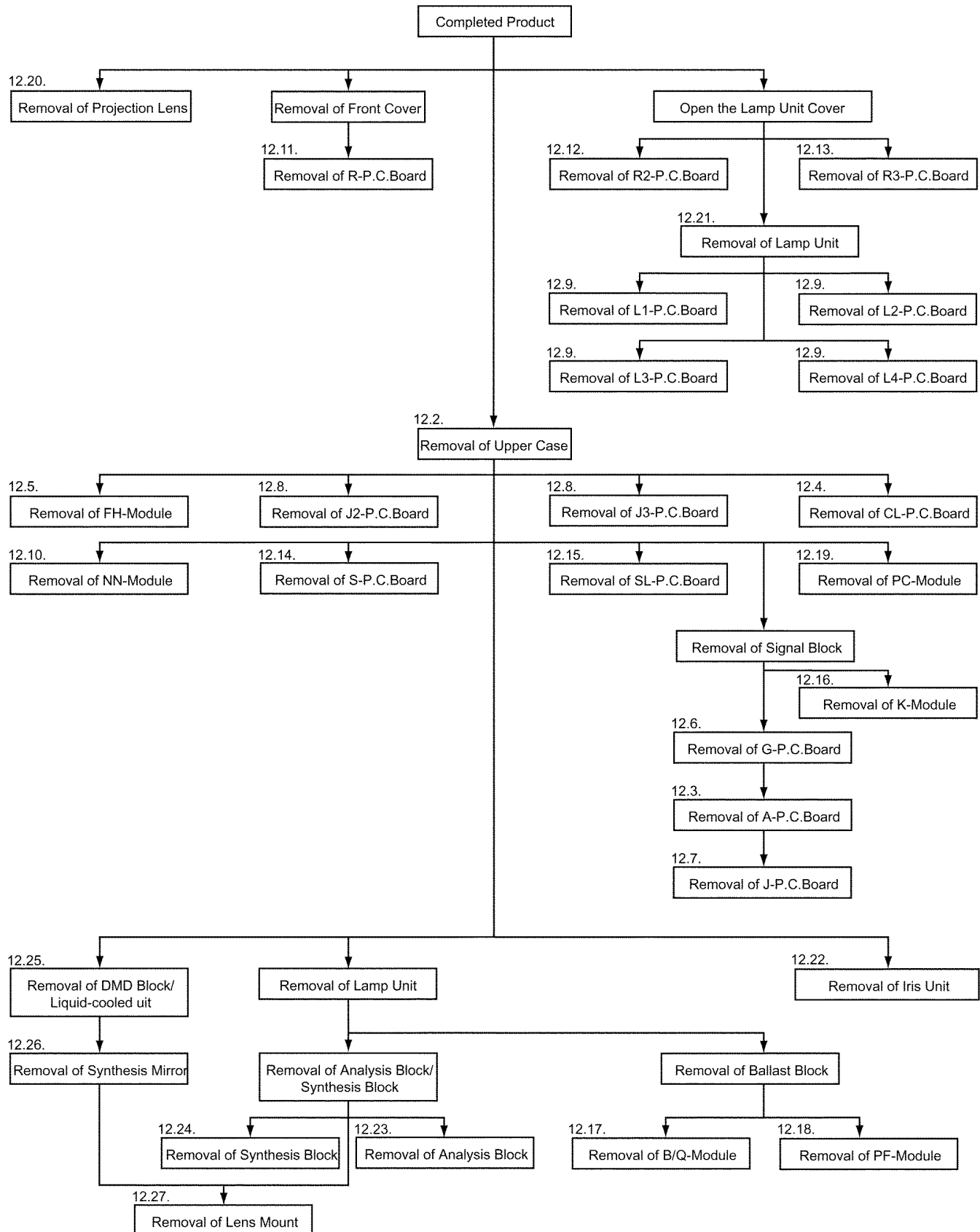
11.3. Indication of Lamp Monitor

Name of monitor lamp	Lamp indication	Information	Check point	Remedial measure
LAMP monitor	Lighting in red	Indicates the time for replacing the lamp unit.	Did you notice a "REPLACE THE LAMP" message on the screen when turning on the projector power supply?	This lamp monitor lights up when the lamp unit used hours have reached 1 800 hours. Request the dealer to replace the lamp unit.
	Blinking in red (3 times)	Error is detected in the lamp circuit.	- Did you turn the power back on immediately after turning it off? - Some error has arisen in the lamp circuit. - Check for fluctuation (or drop) in the source voltage.	- Wait until the lamp has cooled off, and then turn on the power. - Turn off the MAIN POWER switch using the procedure on "Powering off the projector" in the section 9.1. "Servicing Methods" and consult your dealer or Authorized Service Center.

12 Disassembly Instructions

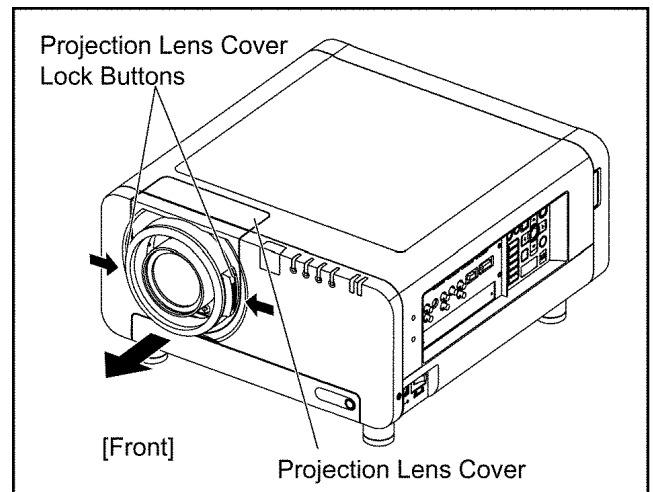
12.1. Flowchart for Disassembly

To assemble, reverse the disassembly procedures.

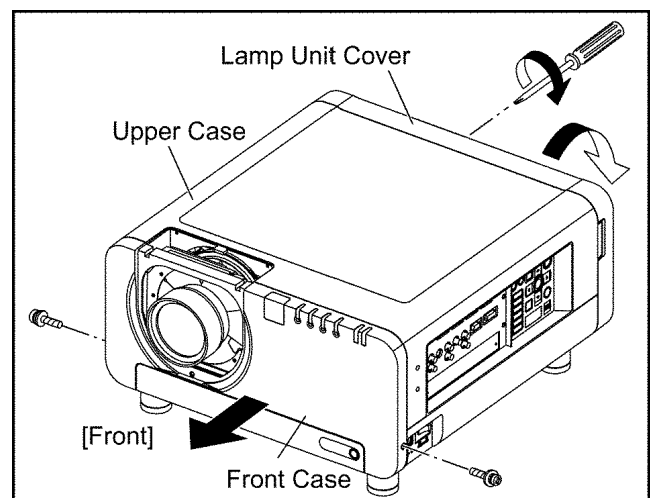


12.2. Removal of Upper Case

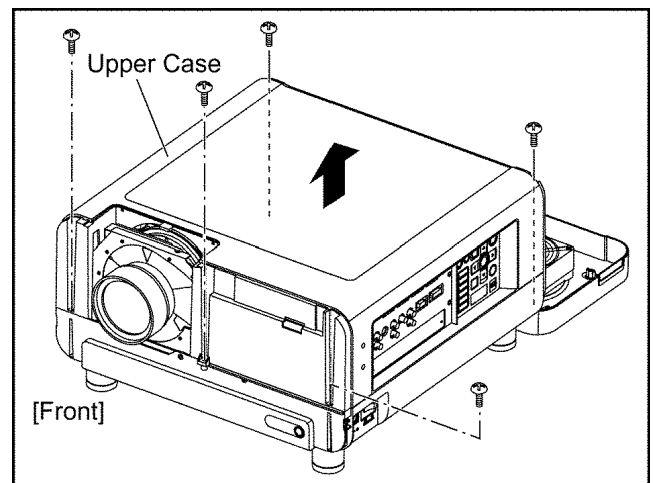
- (1) While pressing the projection lens cover lock buttons, pull the cover forward to remove it.



- (2) Unscrew the 2 screws and remove the front case.
- (3) Loosen the 1 screw until it idles and open the lamp unit cover.



- (4) Unscrew the 5 screws and remove the upper case.

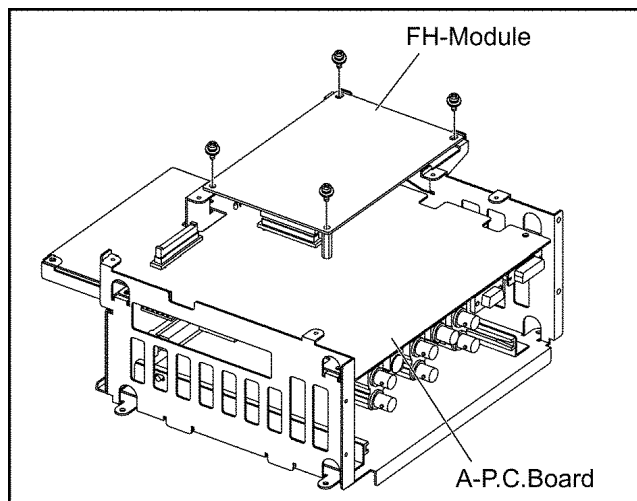


12.3. Removal of A-P.C.Board

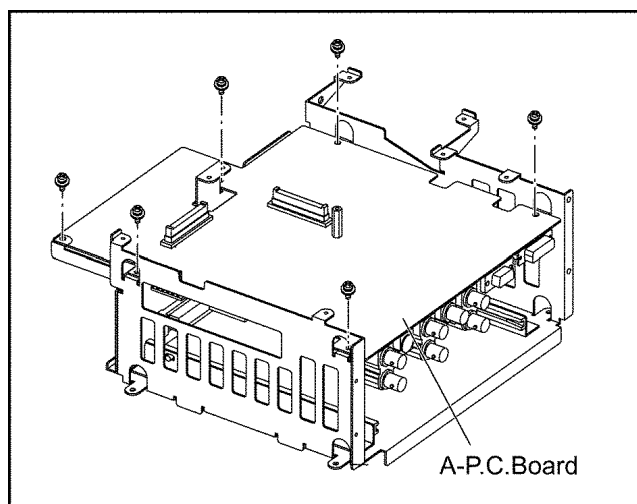
- (1) Remove the G-P.C.Board according to the section 12.6. "Removal of G-P.C.Board".
- (2) Unscrew the 4 screws and remove the FH-Module.

Note:

- The FH-Module is connected onto the A-P.C.Board with the connector. Work carefully when removing it.

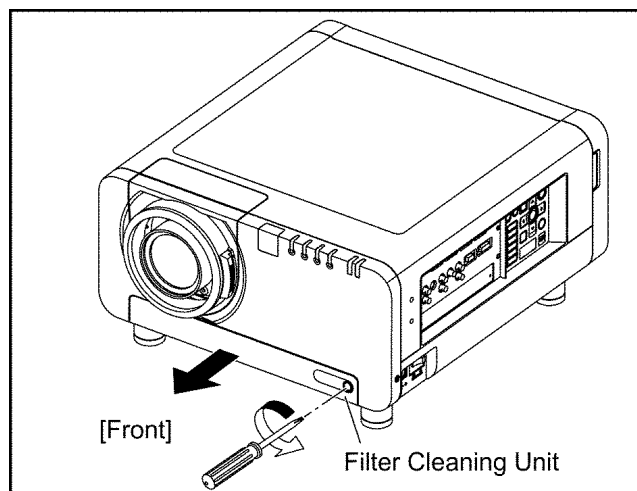


- (3) Unscrew the 6 screws and remove the A-P.C.Board.

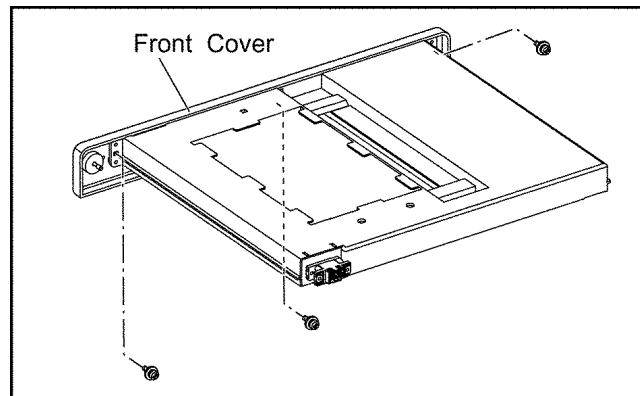


12.4. Removal of CL-P.C.Board

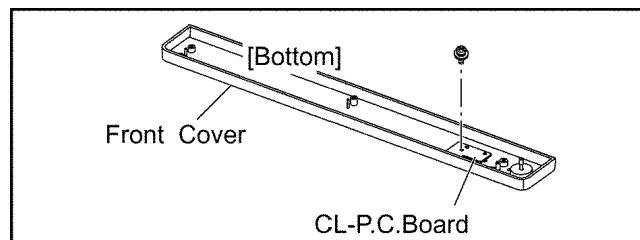
- (1) Loosen the 1 screw until it idles and take the filter cleaning unit out.



- (2) Unscrew the 3 screws and remove the front cover.

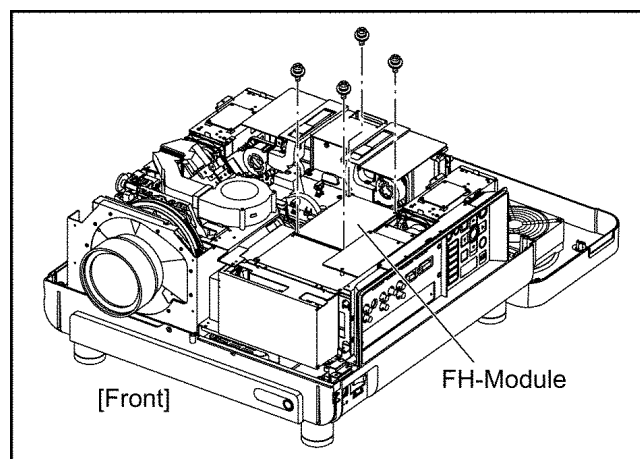


- (3) Unscrew the 1 screw and remove the CL-P.C.Board.



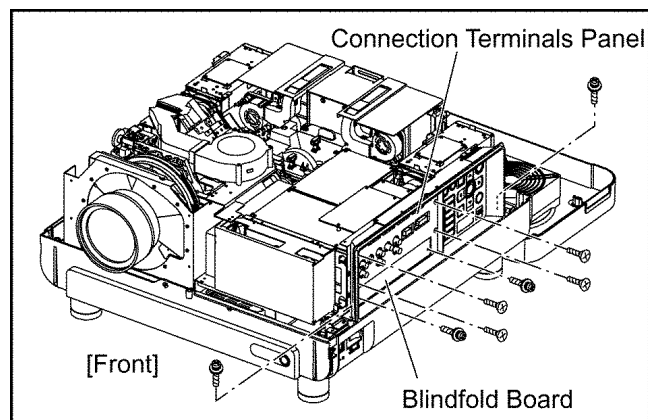
12.5. Removal of FH-Module

- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Unscrew the 4 screws and remove the FH-Module.

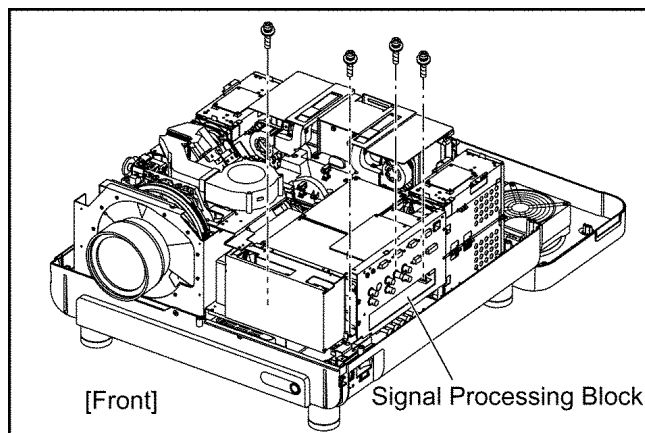


12.6. Removal of G-P.C.Board

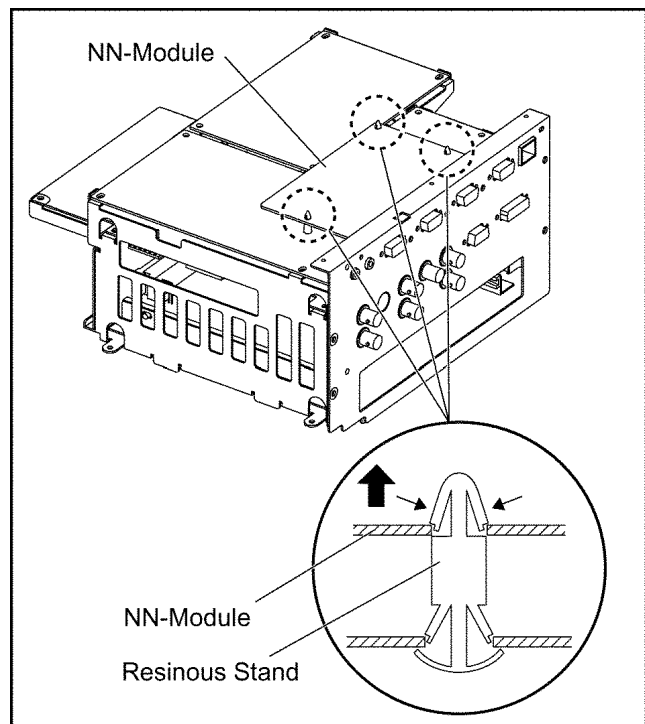
- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Unscrew the 2 screws and remove the blindfold board.
- (3) Unscrew the 6 screws and remove the connection terminals panel with S-P.C.Board and SL-P.C.Board.



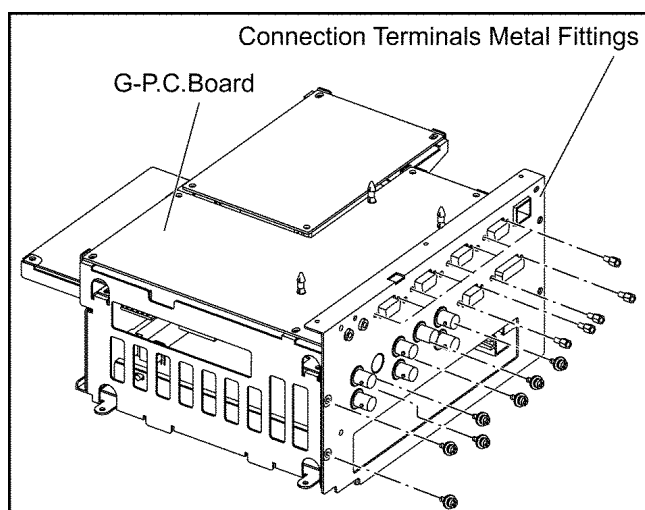
- (4) Unscrew the 4 screws and remove the signal processing block.



- (5) While pressing to shut each hook of the 3 resinous stands, remove the NN-Module.



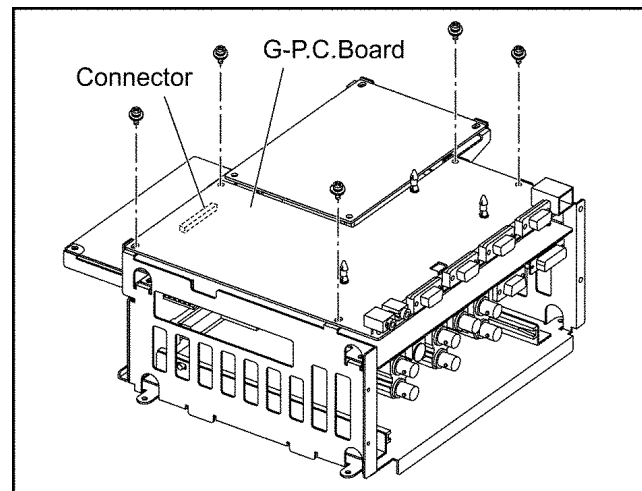
- (6) Unscrew the 19 screws and remove the connection terminals metal fittings.



- (7) Unscrew the 5 screws and remove the G-P.C.Board.

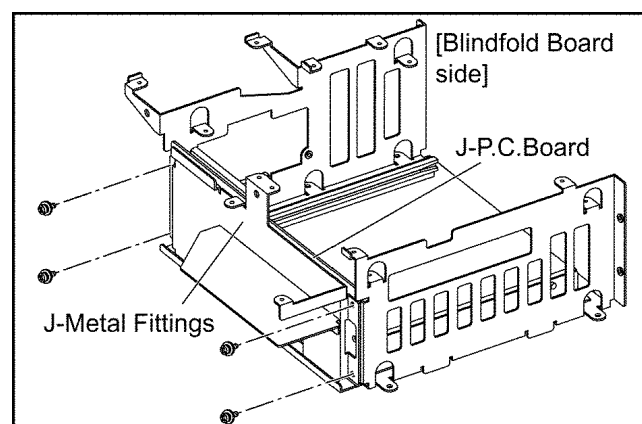
Note:

- The G-P.C.Board is connected onto the A-P.C.Board with the connector. Work carefully when removing it.

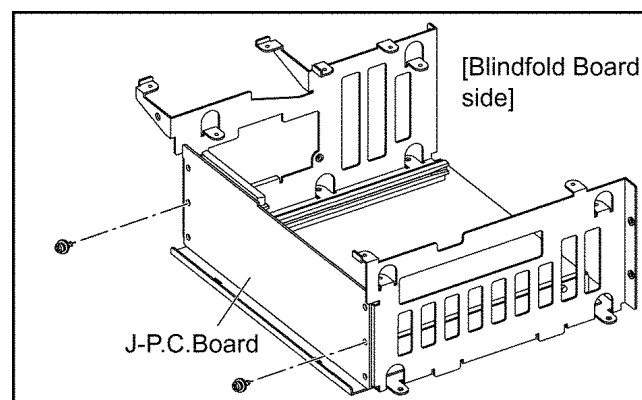


12.7. Removal of J-P.C.Board

- (1) Remove the A-P.C.Board according to the section 12.3. "Removal of A-P.C.Board".
- (2) Unscrew the 4 screws and remove the J-metal fittings.



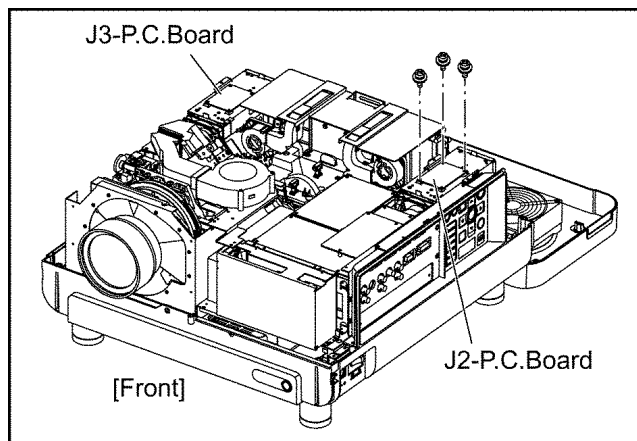
- (3) Unscrew the 2 screws and remove the J-P.C.Board.



12.8. Removal of J2-/J3-P.C.Board

- The procedure is described as an example of J2-P.C.Board.

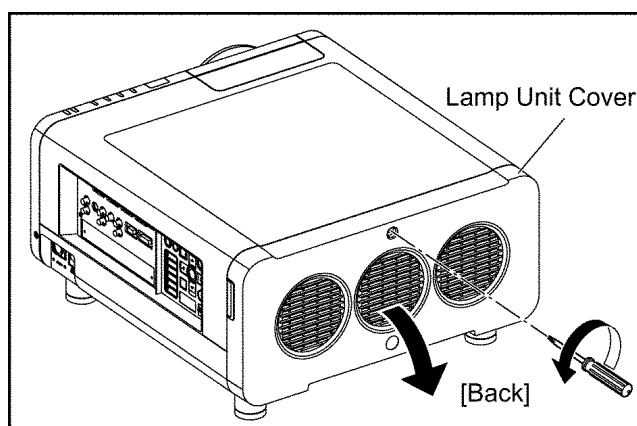
- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Unscrew the 3 screws and remove the J2-P.C.Board.



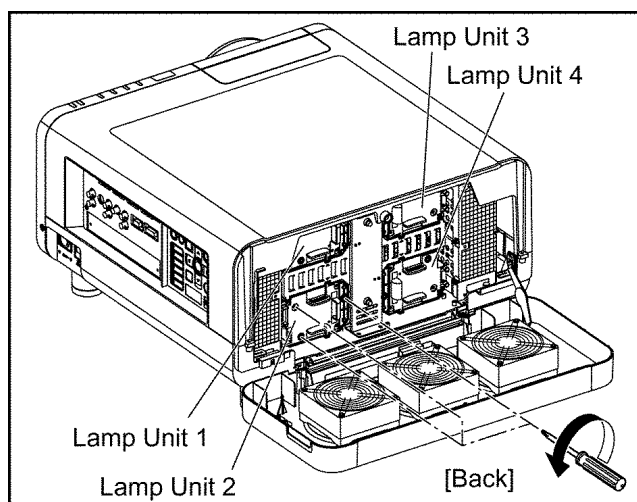
12.9. Removal of L1-/L2-/L3-/L4-P.C.Board

• The procedure is described as an example of L2-P.C.Board.

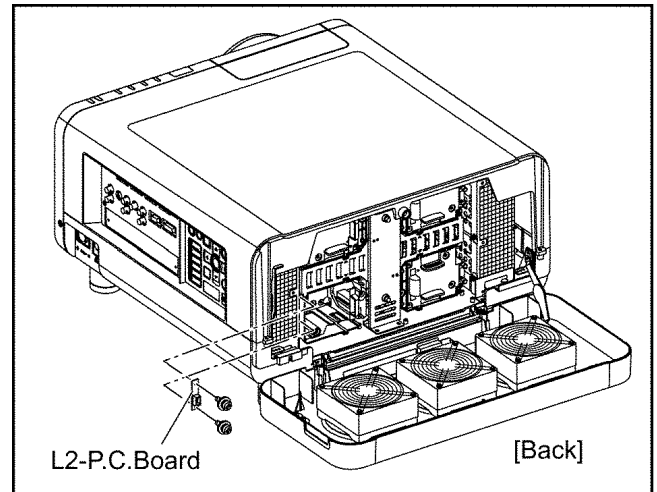
- (1) Loosen the 1 screw until it idles and open the lamp unit cover.



- (2) Loosen the 3 screws until they idle and remove the lamp unit 2.

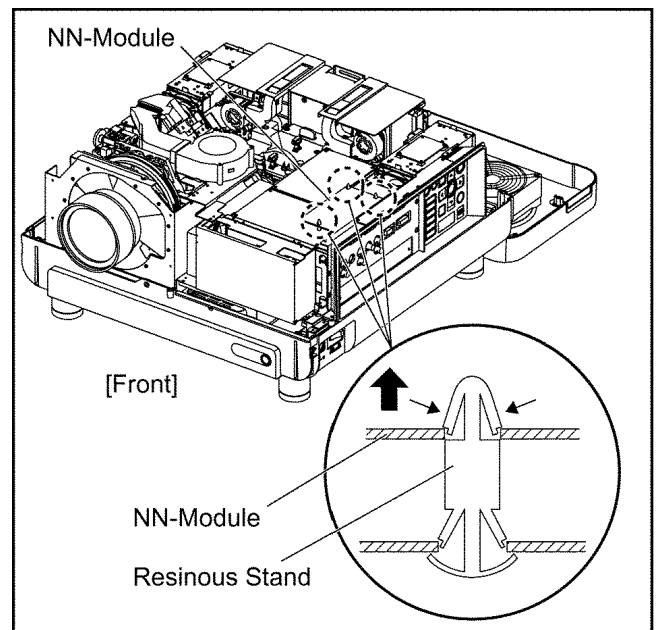


- (3) Unscrew the 2 screws and remove the L2-P.C.Board.



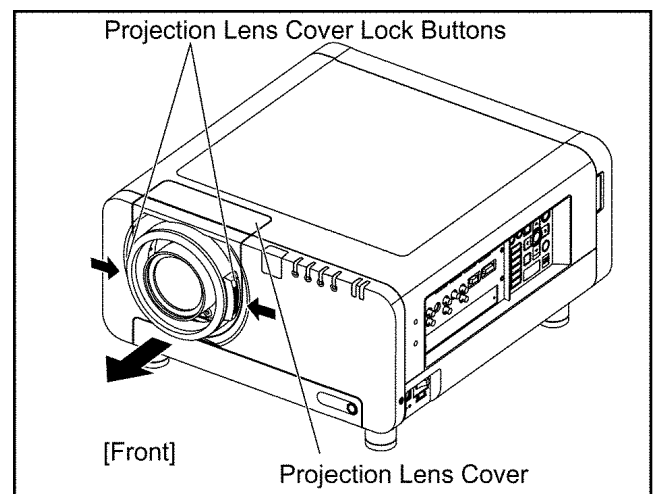
12.10. Removal of NN-Module

- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
 (2) While pressing to shut each hook of the 3 resinous stands, remove the NN-Module.

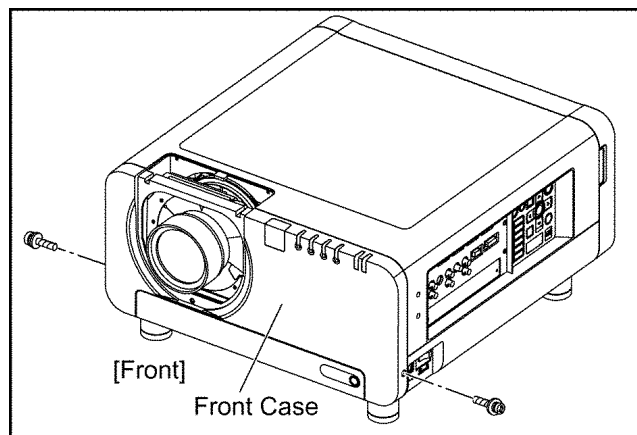


12.11. Removal of R-P.C.Board

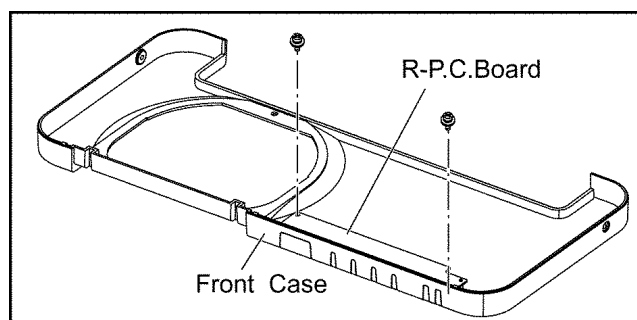
- (1) While pressing the projection lens cover lock buttons, pull the cover forward to remove it.



- (2) Unscrew the 2 screws and remove the front case.

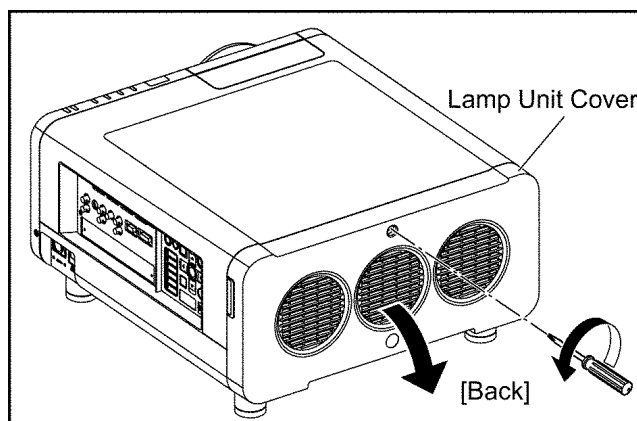


- (3) Unscrew the 2 screws and remove the R-P.C.Board.

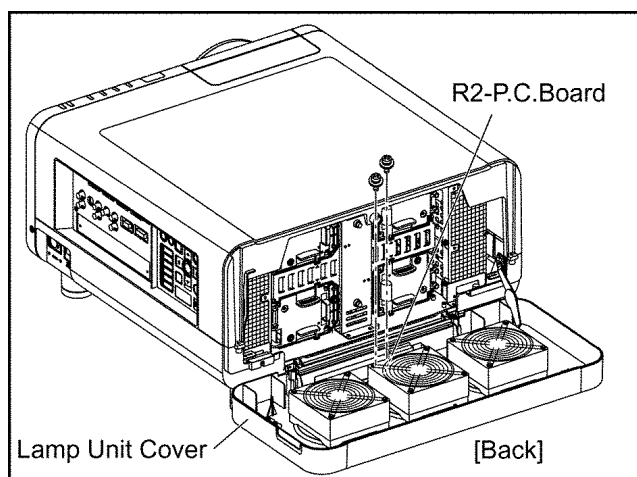


12.12. Removal of R2-P.C.Board

- (1) Loosen the 1 screw until it idles and open the lamp unit cover.

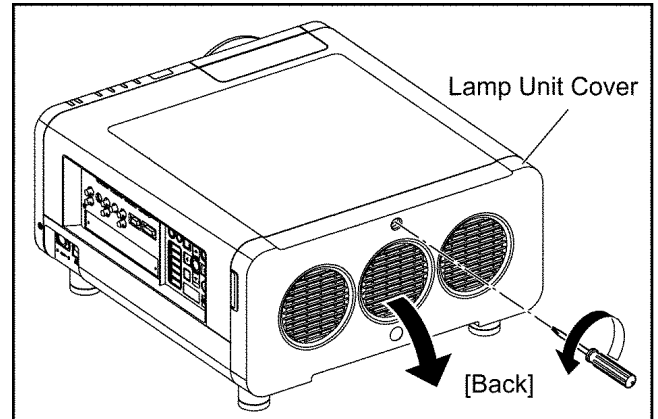


- (2) Unscrew the 2 screws and remove the R2-P.C.Board.

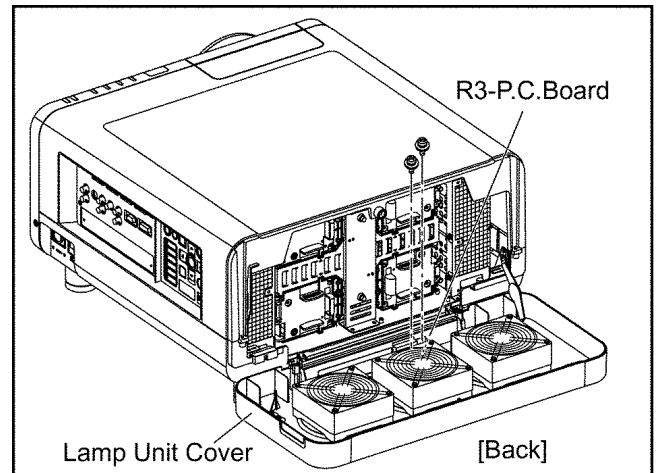


12.13. Removal of R3-P.C.Board

- (1) Loosen the 1 screw until it idles and open the lamp unit cover.

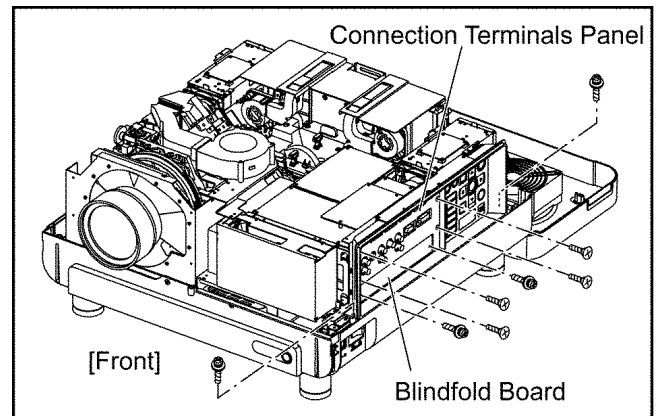


- (2) Unscrew the 2 screws and remove the R3-P.C.Board.

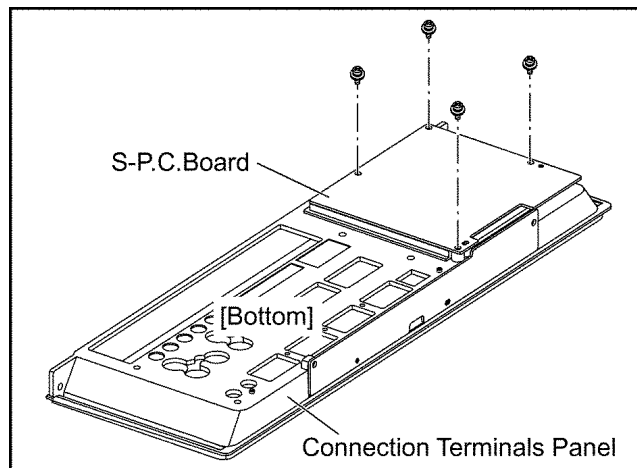


12.14. Removal of S-P.C.Board

- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Unscrew the 2 screws and remove the blindfold board.
- (3) Unscrew the 6 screws and remove the connection terminals panel.

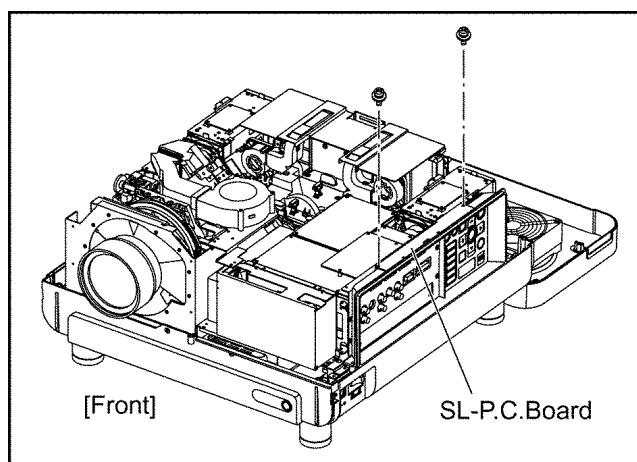


- (4) Unscrew the 4 screws and remove the S-P.C.Board.



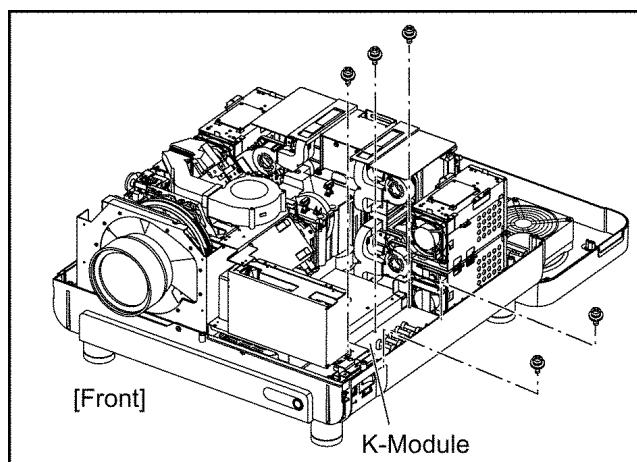
12.15. Removal of SL-P.C.Board

- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Unscrew the 2 screws and remove the SL-P.C.Board.



12.16. Removal of K-Module

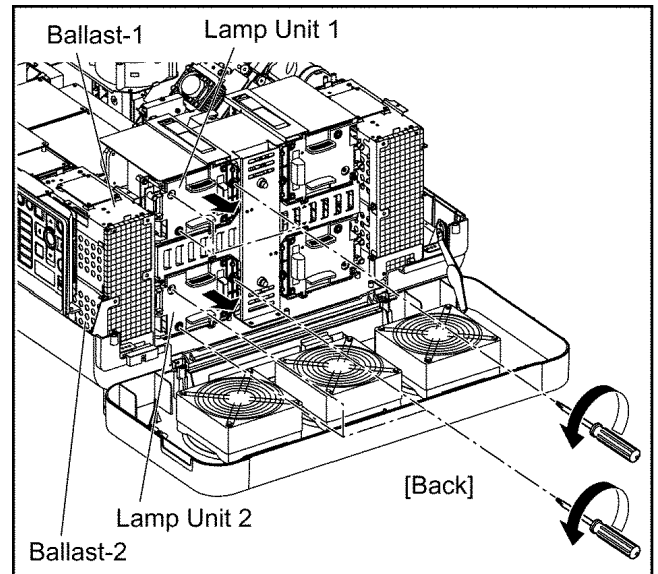
- (1) Remove the signal processing block according to the steps 1 through 4 in the section 12.6. "Removal of G-P.C.Board".
- (2) Unscrew the 5 screws and remove the K-Module.



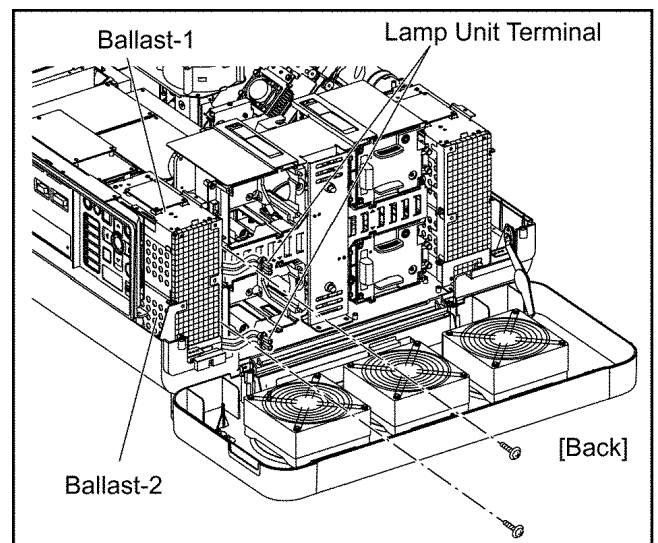
12.17. Removal of B/Q-Module

- The procedure is described as an example of Ballast-1.

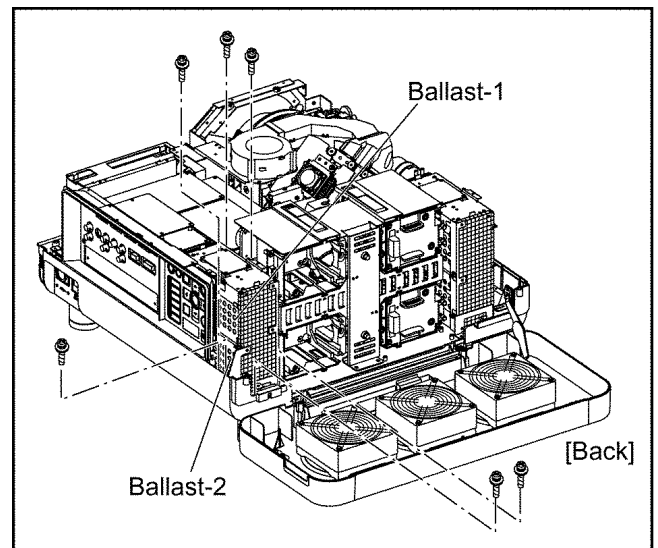
- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (2) Loosen each of 3 screws until they idle, remove the lamp units 1 and 2.



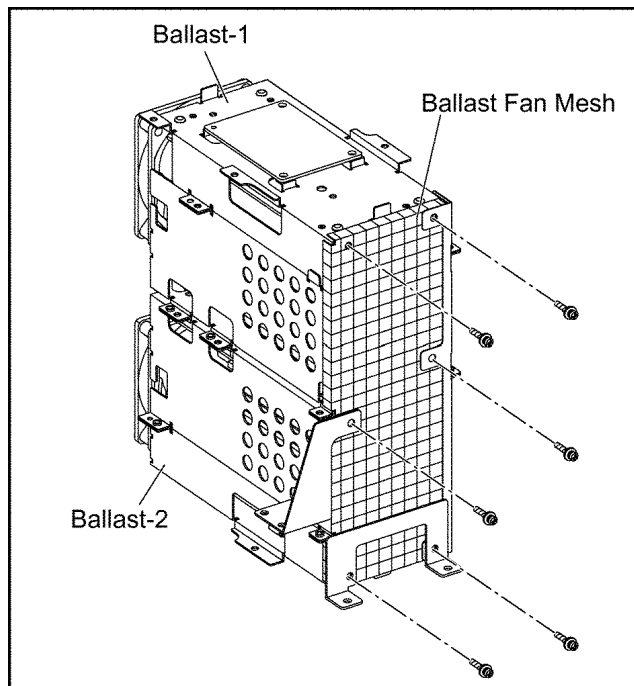
- (3) Unscrew each of 1 screw and release each of 1 lamp unit terminal of Ballast-1 and Ballast-2.



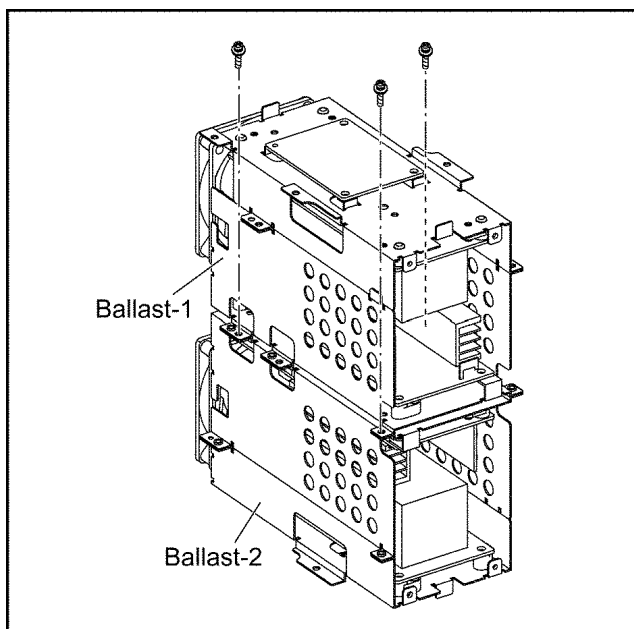
- (4) Unscrew the 6 screws and remove the block of Ballast-1 and Ballast-2.



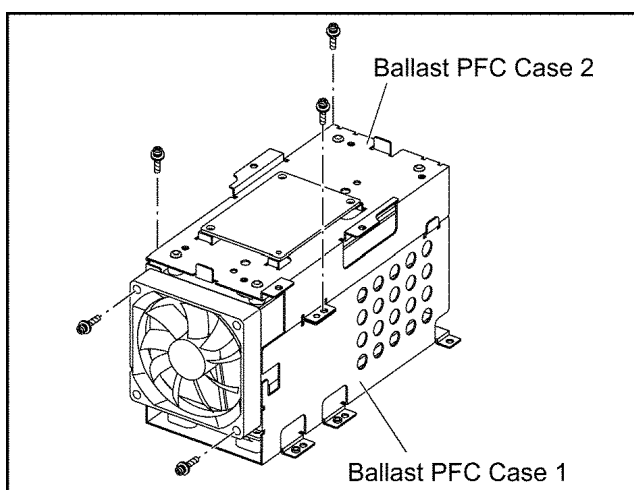
- (5) Unscrew the 6 screws and remove the ballast fan mesh.



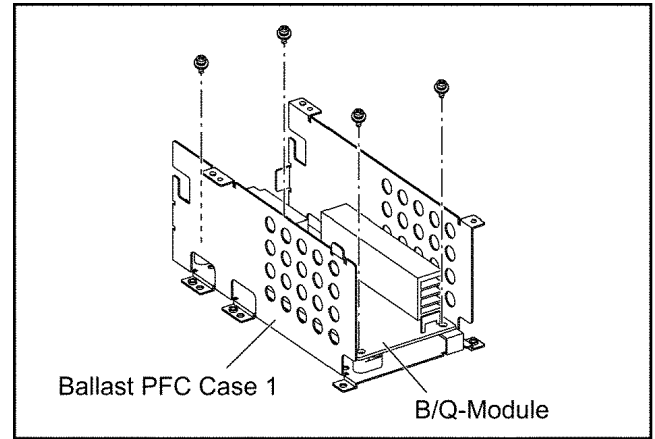
- (6) Unscrew the 3 screws and separate the Ballast-1 and Ballast-2.



- (7) Unscrew the 2 screws and remove the ballast fan.
 (8) Unscrew the 3 screws and separate the ballast PFC cases 1 and 2.

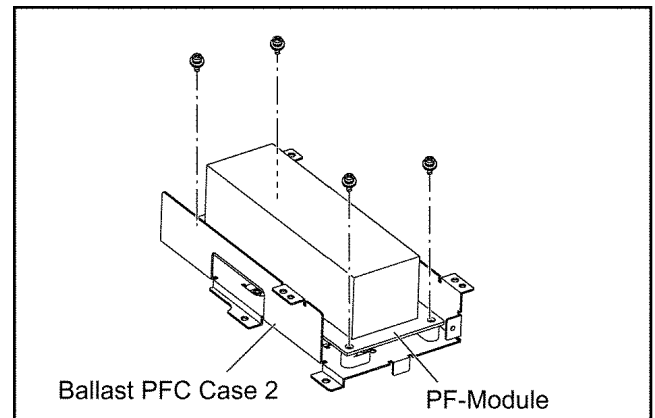


- (9) Unscrew the 4 screws and remove the B/Q-Module.



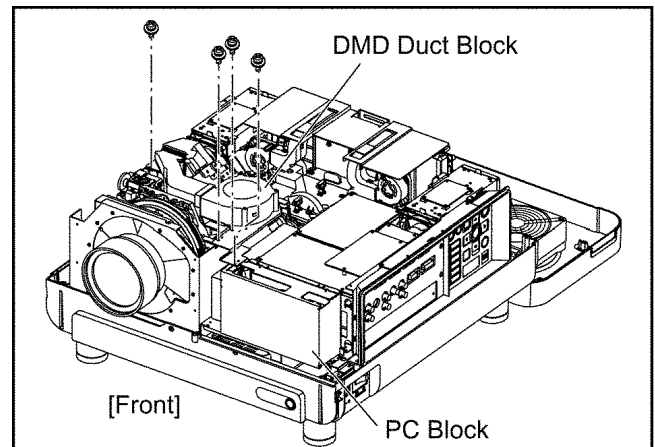
12.18. Removal of PF-Module

- (1) Remove the ballast PFC cases 2 according to the steps 1 through 8 in the section 12.17. "Removal of B/Q-Module".
 (2) Unscrew the 4 screws and remove the PF-Module.

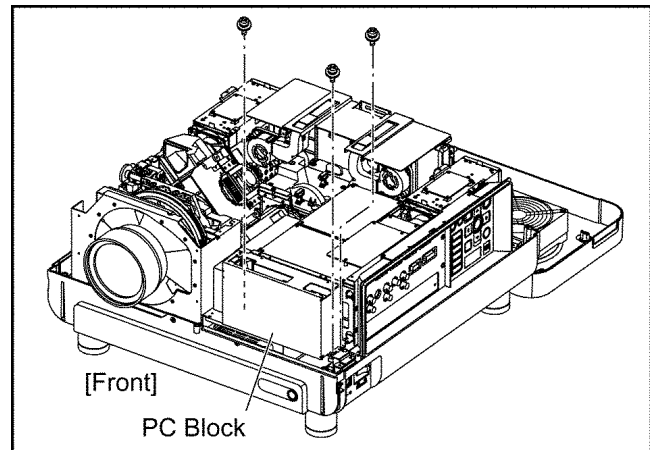


12.19. Removal of PC-Module

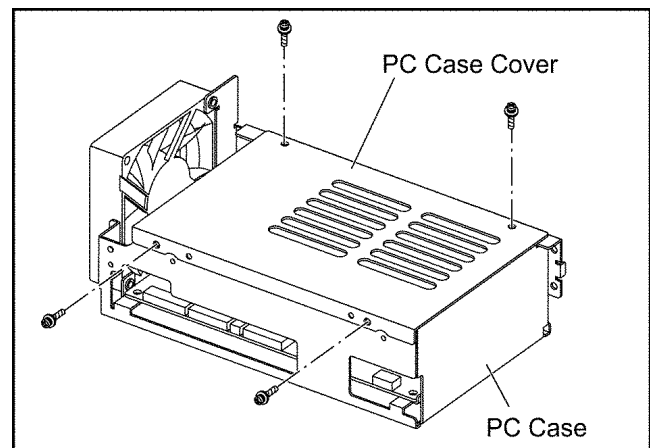
- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
 (2) Unscrew the 4 screws and remove the DMD duct block.



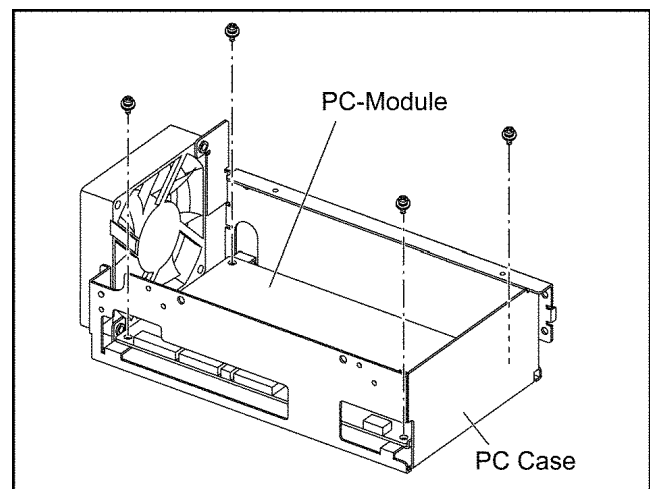
- (3) Unscrew the 3 screws and remove the PC block.



- (4) Unscrew the 4 screws and remove the PC case cover.

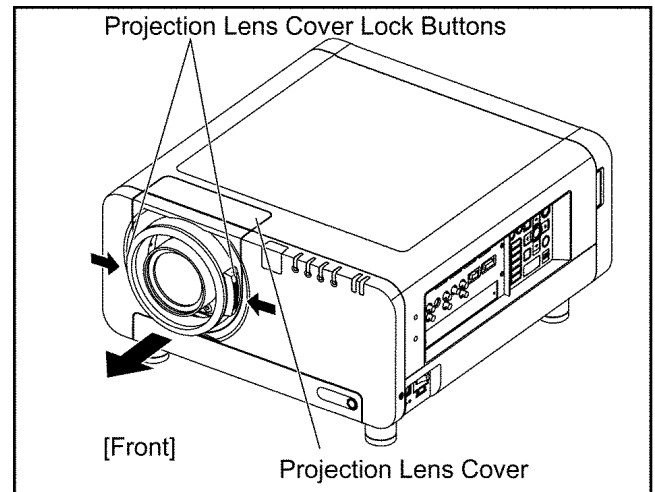


- (5) Unscrew the 4 screws and remove the PC-Module.

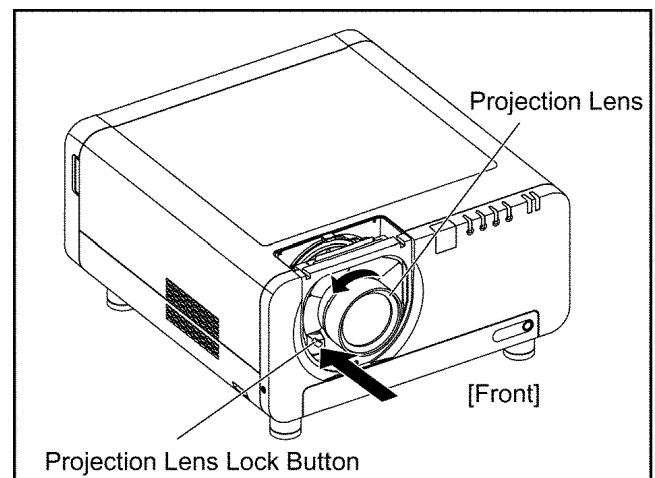


12.20. Removal of Projection Lens

- (1) While pressing the projection lens cover lock buttons, pull the cover forward to remove it.



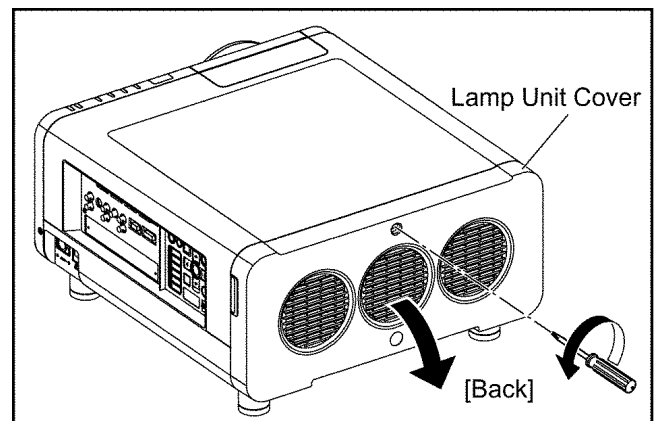
- (2) While holding down the projection lens lock button, turn the projection lens counterclockwise, and then pull it off.



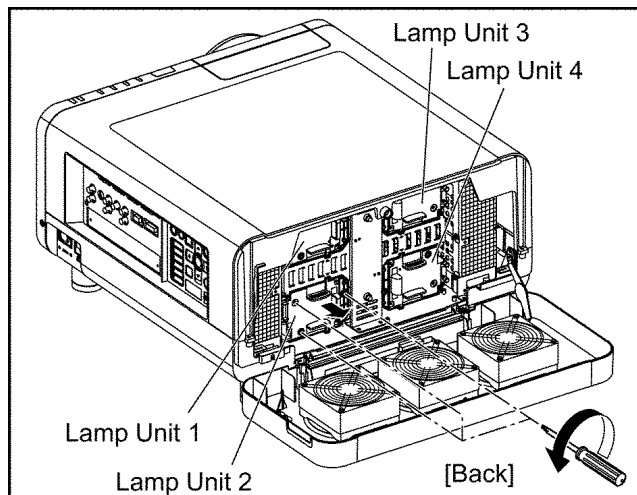
12.21. Removal of Lamp Unit

- The procedure is described as an example of lamp unit 2.

- (1) Loosen the 1 screw until it idles and open the lamp unit cover.



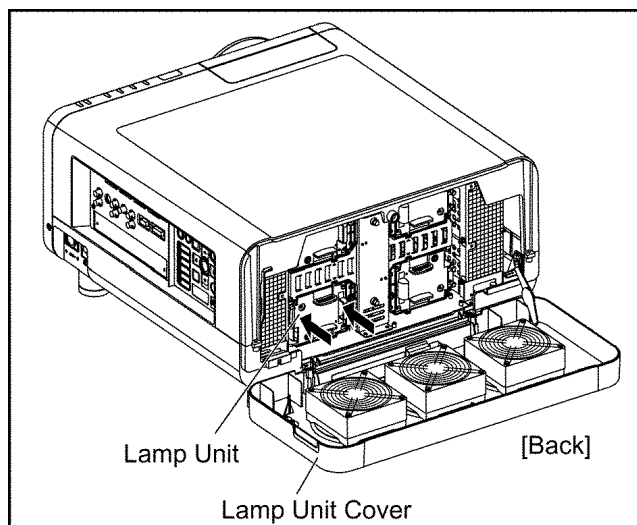
- (2) Loosen the 3 screws until they idle and remove the lamp unit 2.



Note:

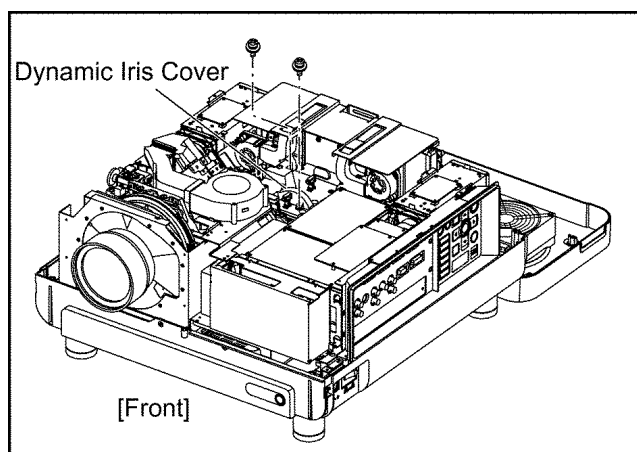
- When installing the lamp unit in the main unit, place it in a specified position and press the back of the lamp unit (arrow positions shown in right figure), and confirm the lamp unit is inserted securely.

Then, tighten the 3 screws fixing the lamp unit and close the lamp unit cover.

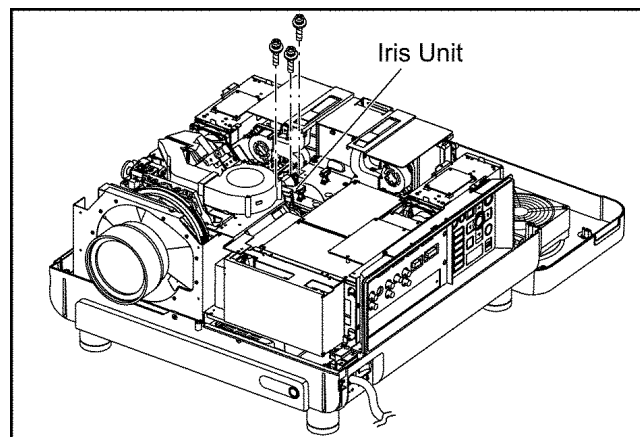


12.22. Removal of Iris Unit

- Remove the upper case according to the section 12.2. "Removal of Upper Case".
- Unscrew the 2 screws and remove the dynamic iris cover.

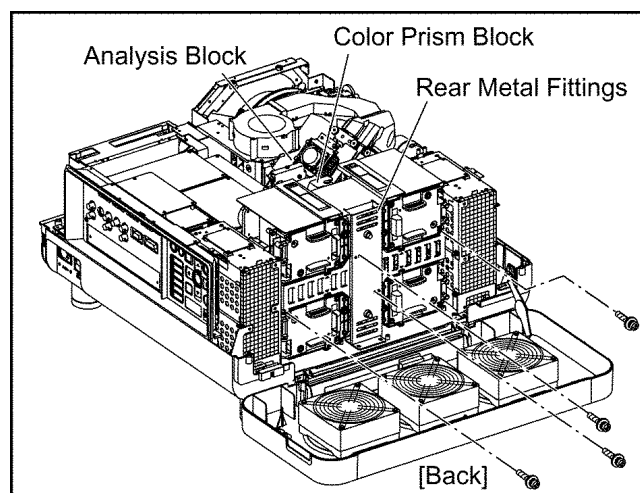


- (3) Unscrew the 3 screws and remove the iris unit.

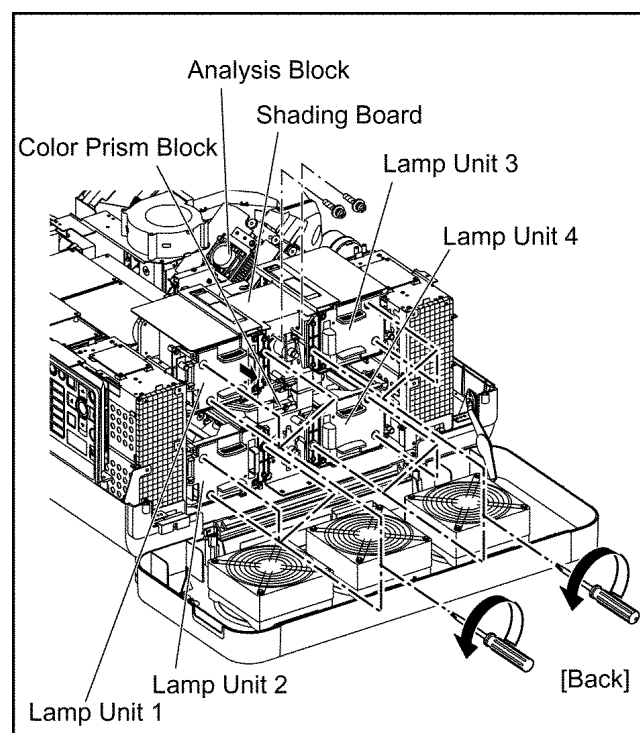


12.23. Removal of Analysis Block

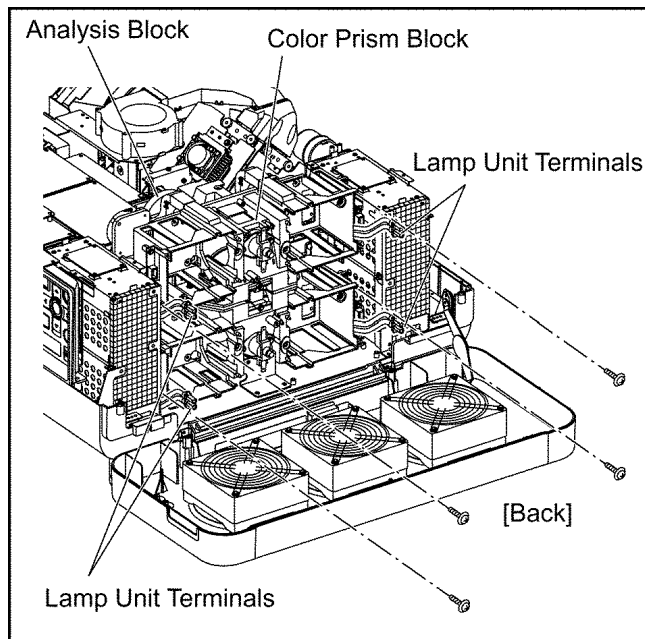
- (1) Remove the upper case according to the section 12.2. "Removal of Upper Case".
 (2) Unscrew the 4 screws and remove the rear metal fittings.



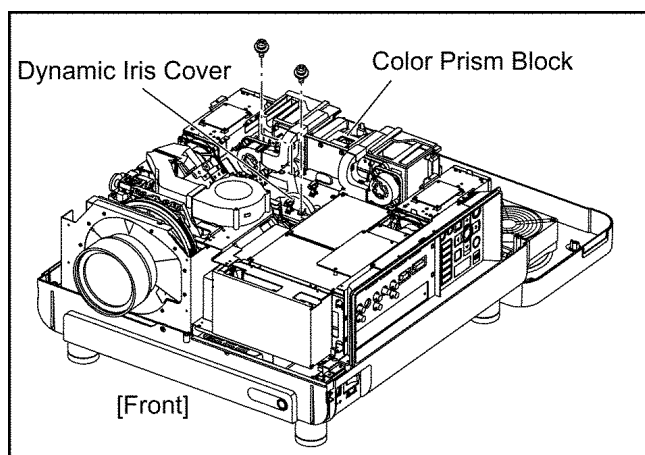
- (3) Unscrew the 2 screws and remove the shading board.
 (4) Disconnect wiring connection to the 2 bimetals.
 (5) Loosen each of 3 screws until they idle, remove the 4 lamp units.



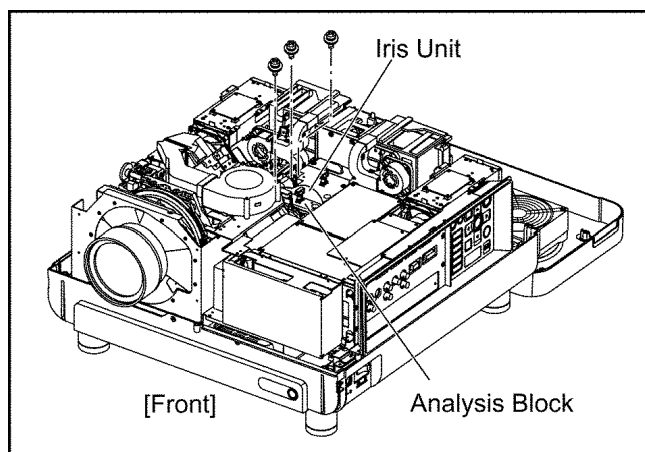
- (6) Unscrew each of 1 screw and release 4 lamp unit terminals in total of the 4 ballasts.



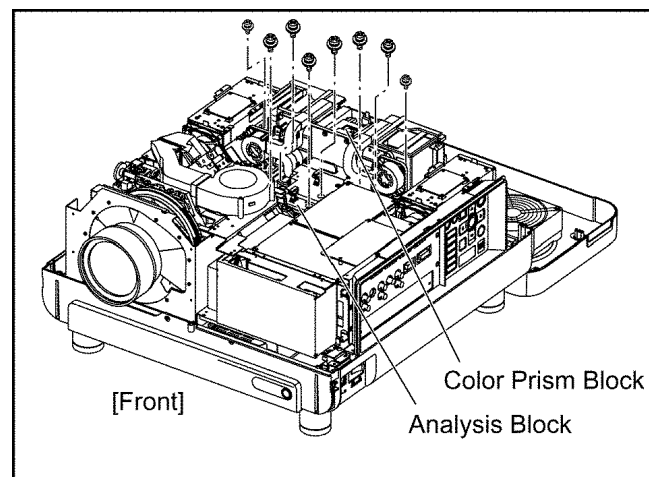
- (7) Unscrew the 2 screws and remove the dynamic iris cover.



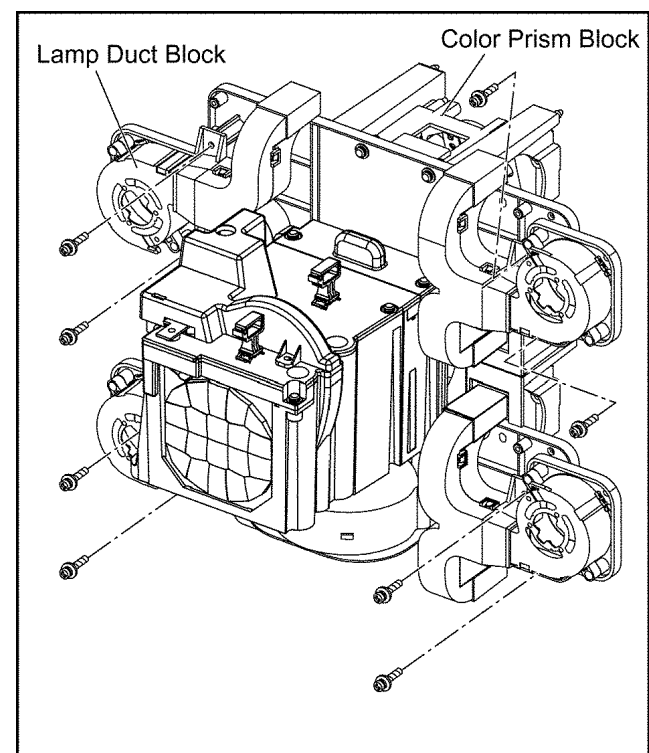
- (8) Unscrew the 3 screws and remove the iris unit.



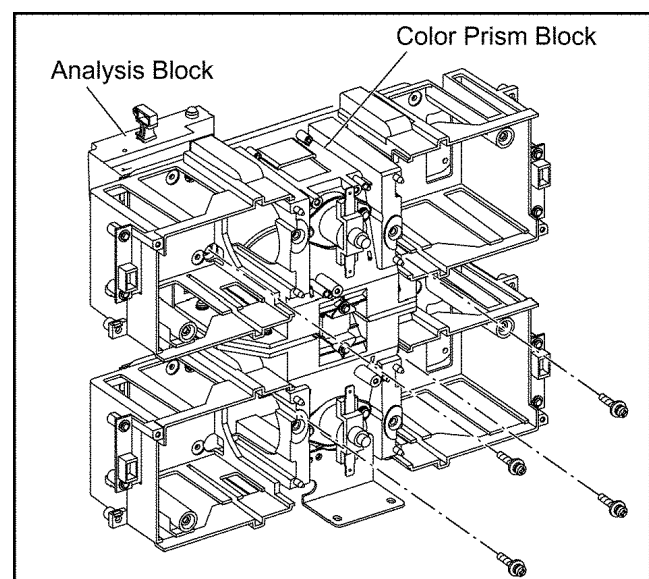
- (9) Unscrew the 8 screws and remove the color prism block and analysis block.



- (10) Unscrew each of 2 screws and remove the 4 lamp duct blocks.

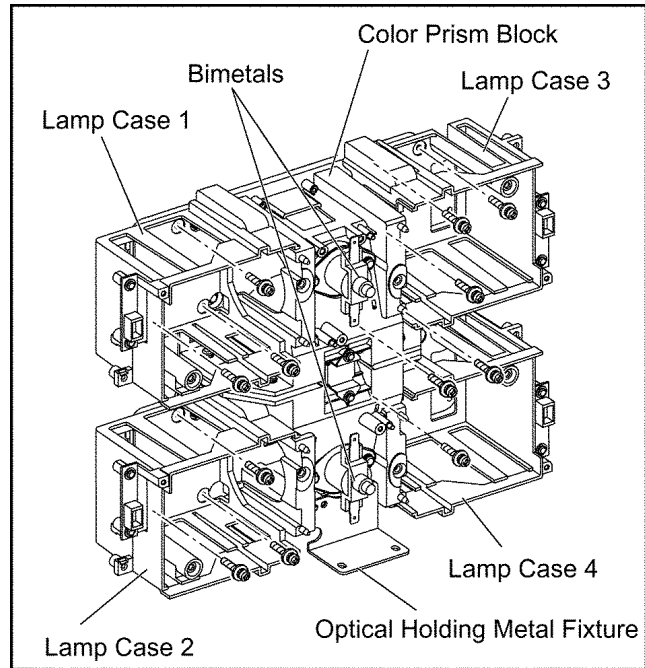


- (11) Unscrew the 4 screws and separate the analysis block and color prism block (with lamp case).

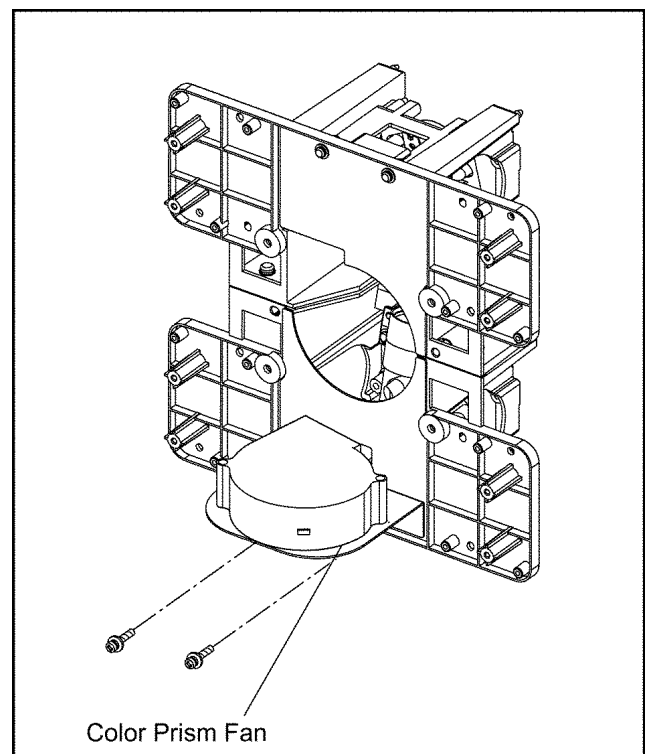


12.24. Removal of Color Prism Block

- (1) Remove the color prism block (with lamp case) according to the section 12.23. "Removal of Analysis Block".
- (2) Unscrew each of 3 screws and remove the 4 lamp cases.
- (3) Unscrew the 2 screws and remove the optical holding metal fixture.
- (4) Unscrew each of 2 screws and remove the 2 bimetals.



- (5) Unscrew the 2 screws and remove the color prism fan.

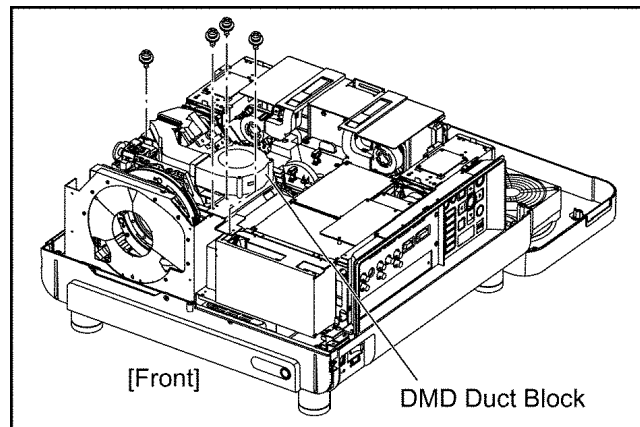


12.25. Removal of DMD Block and Liquid Cooling Unit

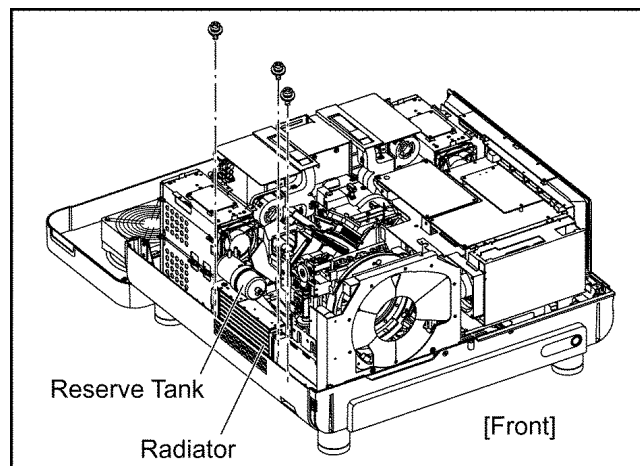
Note:

- Before attempting the removing, shift the lens to the foremost position.

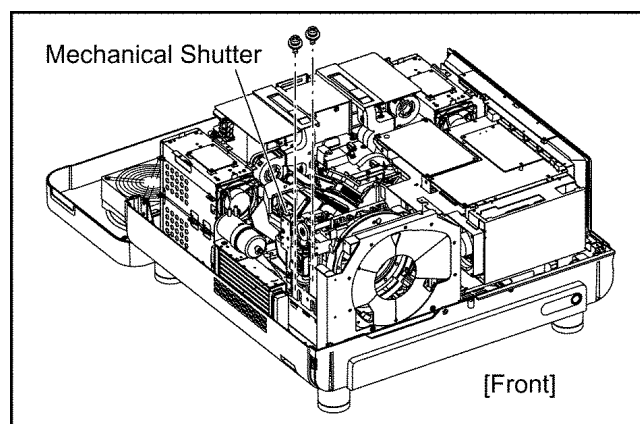
- (1) Remove the projection lens according to the section 12.20. "Removal of Projection Lens".
- (2) Remove the upper case according to the section 12.2. "Removal of Upper Case".
- (3) Unscrew the 4 screws and remove the DMD duct block.



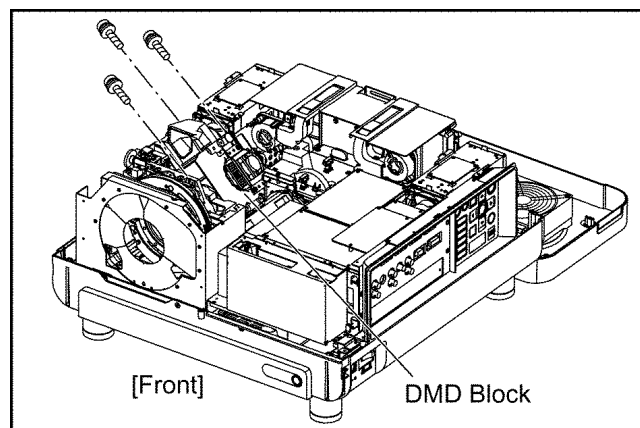
- (4) Unscrew the 3 screws and release the block of liquid cooling unit radiator and reserve tank.



- (5) Unscrew the 2 screws and remove the mechanical shutter.



- (6) Unscrew the 3 screws and remove the DMD block and liquid cooling unit.

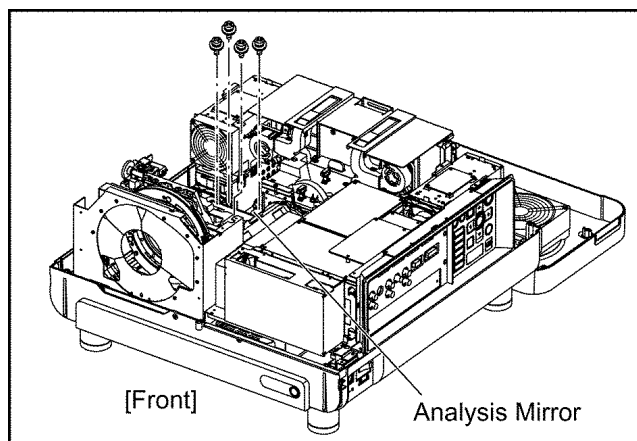


12.26. Removal of Analysis Mirror

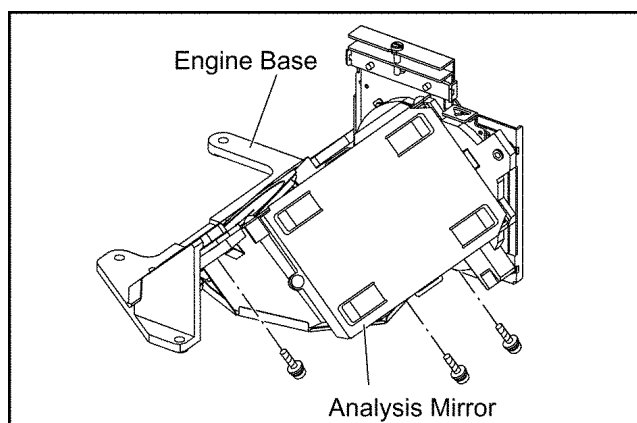
Note:

• Before attempting the removing, shift the lens to the foremost position.

- (1) Remove the DMD block and liquid cooling unit according to the section 12.25. "Removal of DMD Block and Liquid Cooling Unit".
- (2) Unscrew the 4 screws and remove the analysis mirror with engine base.



- (3) Unscrew the 3 screws and remove the engine base.

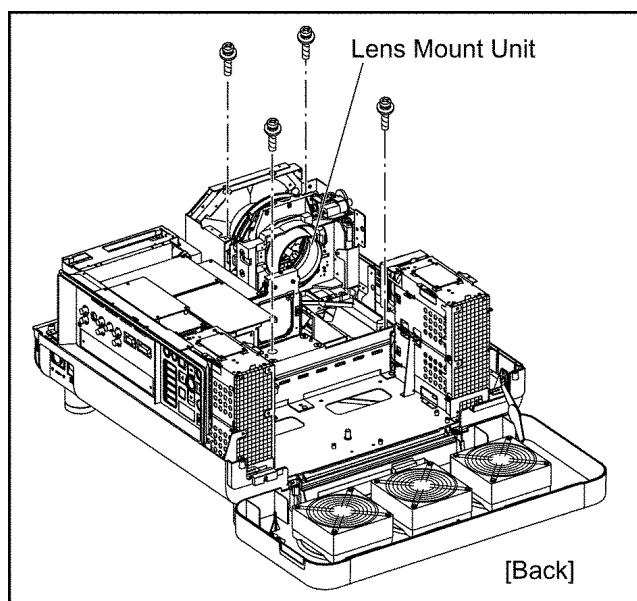


12.27. Removal of Lens Mount Unit

Note:

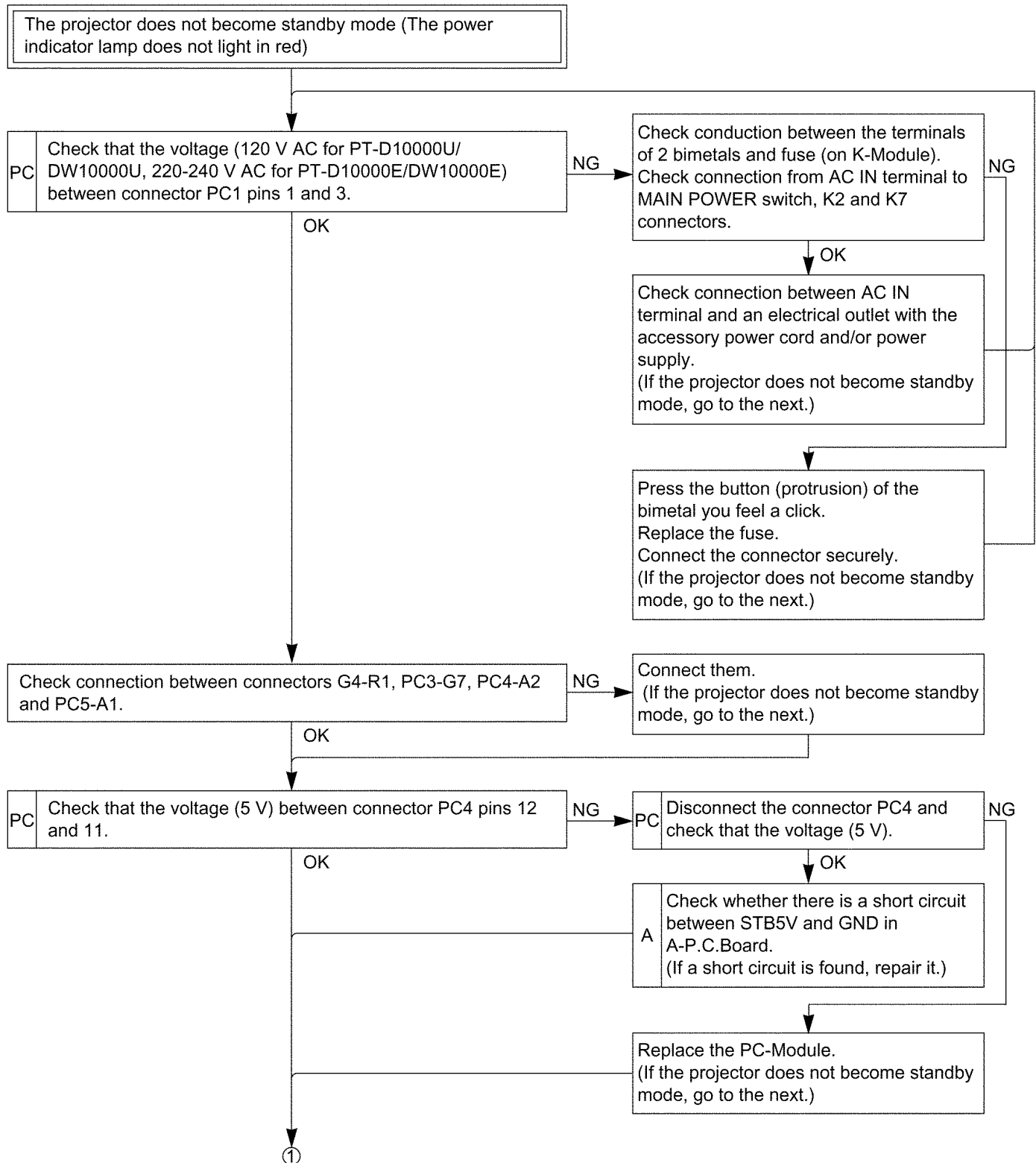
• Before attempting the removing, shift the lens to the foremost position.

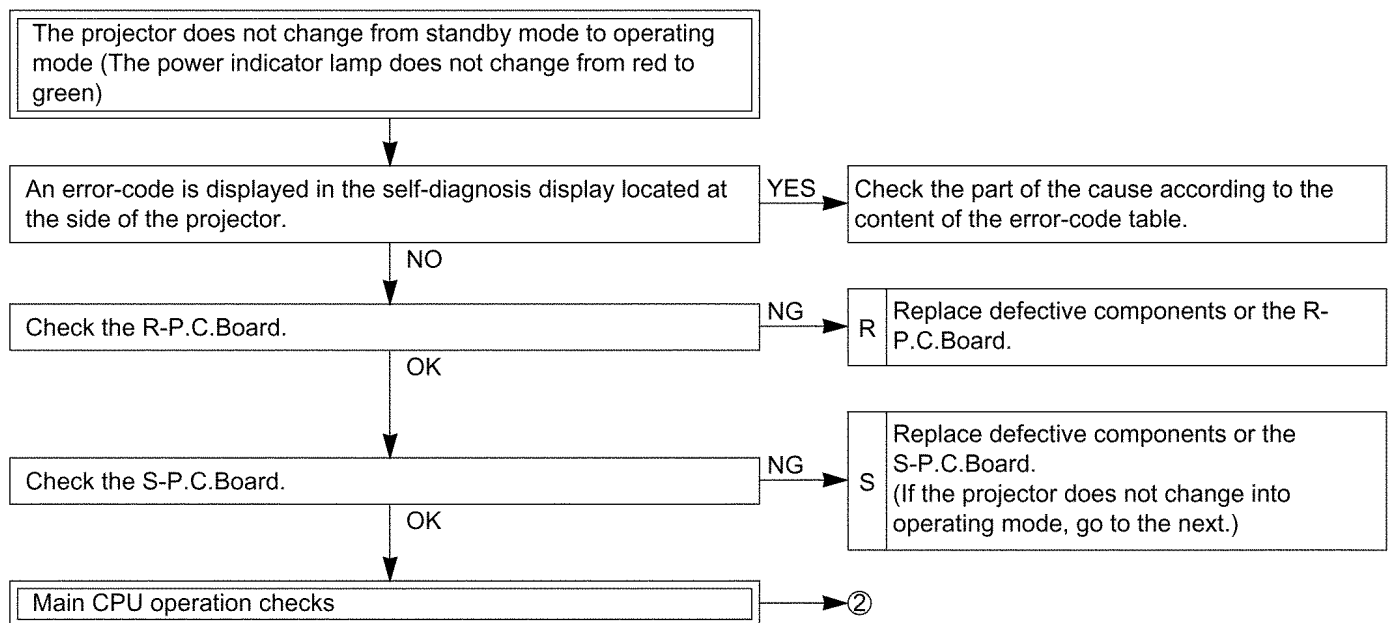
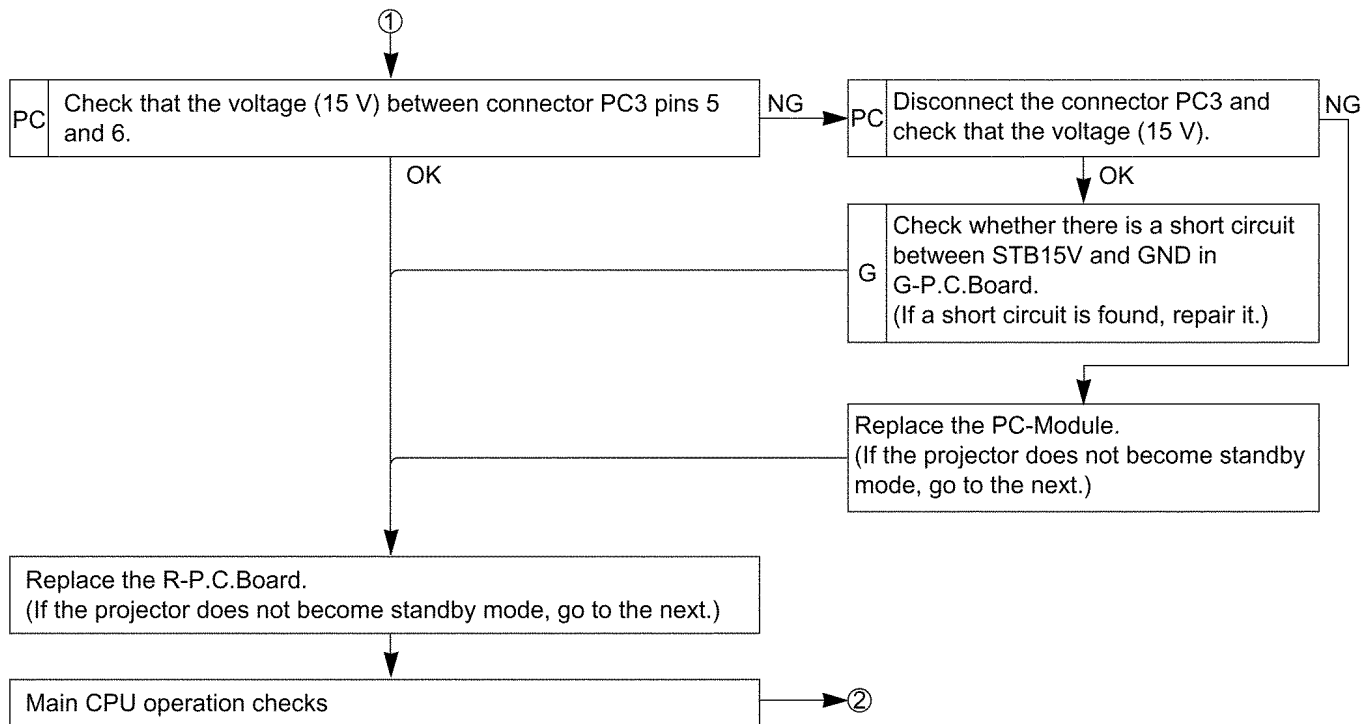
- (1) Remove the projection lens, DMD block, liquid cooling unit and analysis mirror according to the section 12.26. "Removal of Analysis Mirror".
- (2) Remove the color prism block and analysis block according to the steps 2 through 9 in the section 12.23. "Removal of Analysis Block".
- (3) Unscrew the 4 screws and remove the lens mount unit.



13 Troubleshooting

The alphabets (A, PC, etc.) in the left box of the inspection items indicate the names of P.C.Boards or modules to be checked.

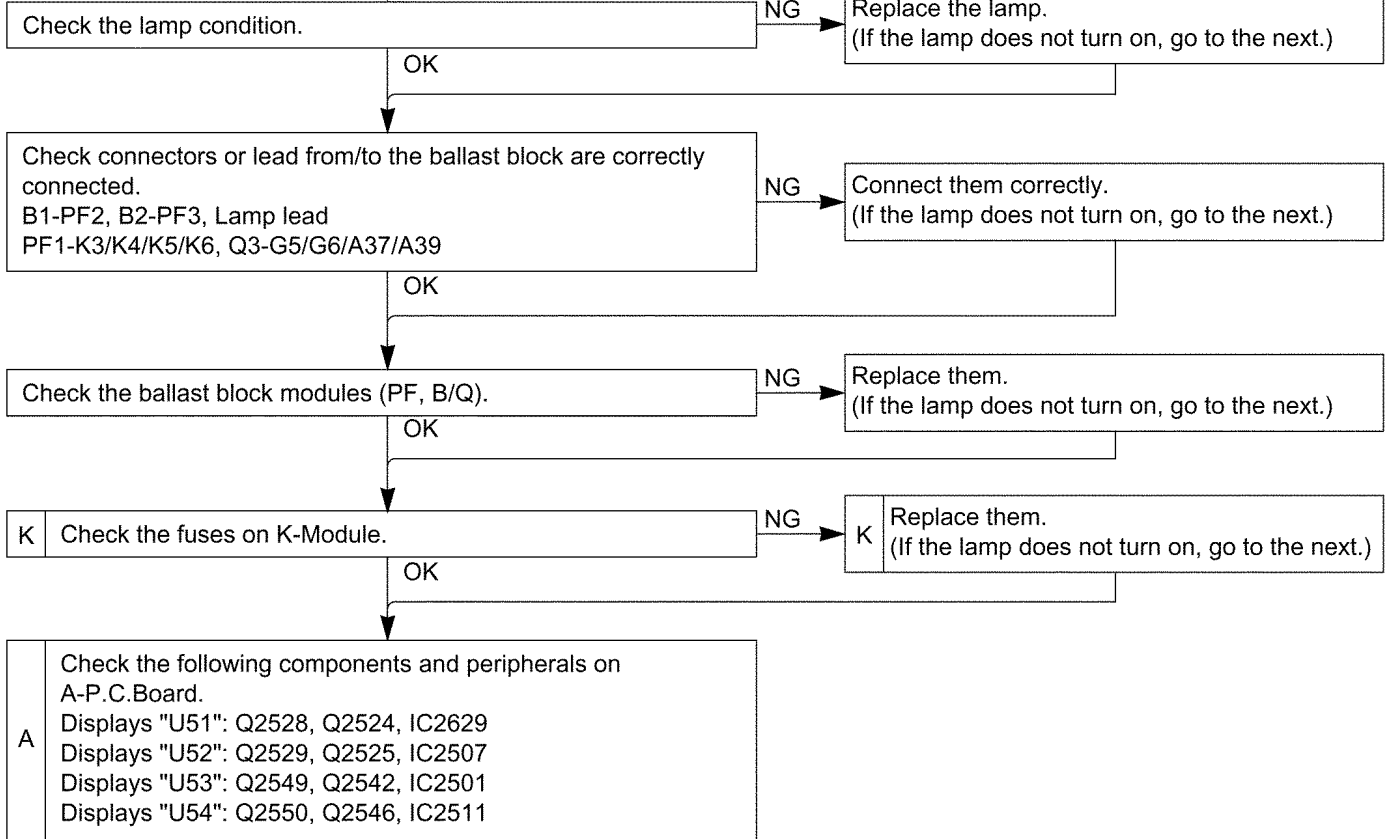




Error-codes U51, U52, U53 and U54: Lamp does not turn on

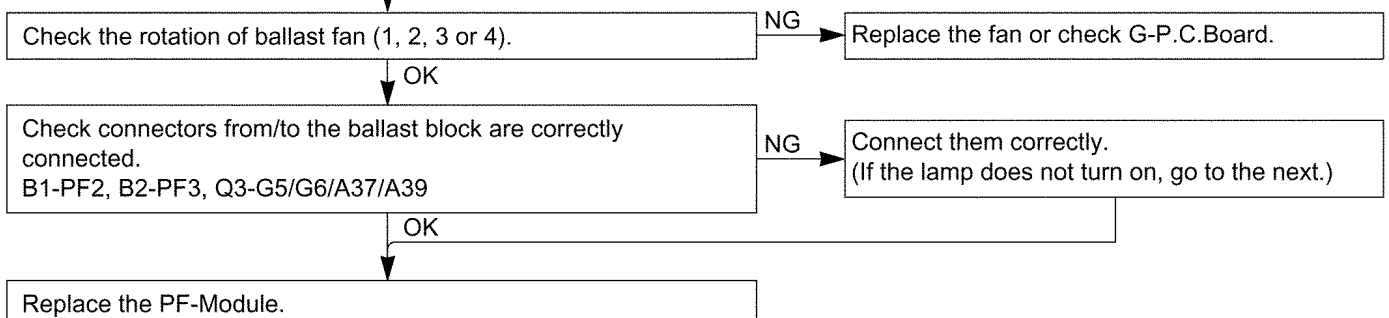
Before checks

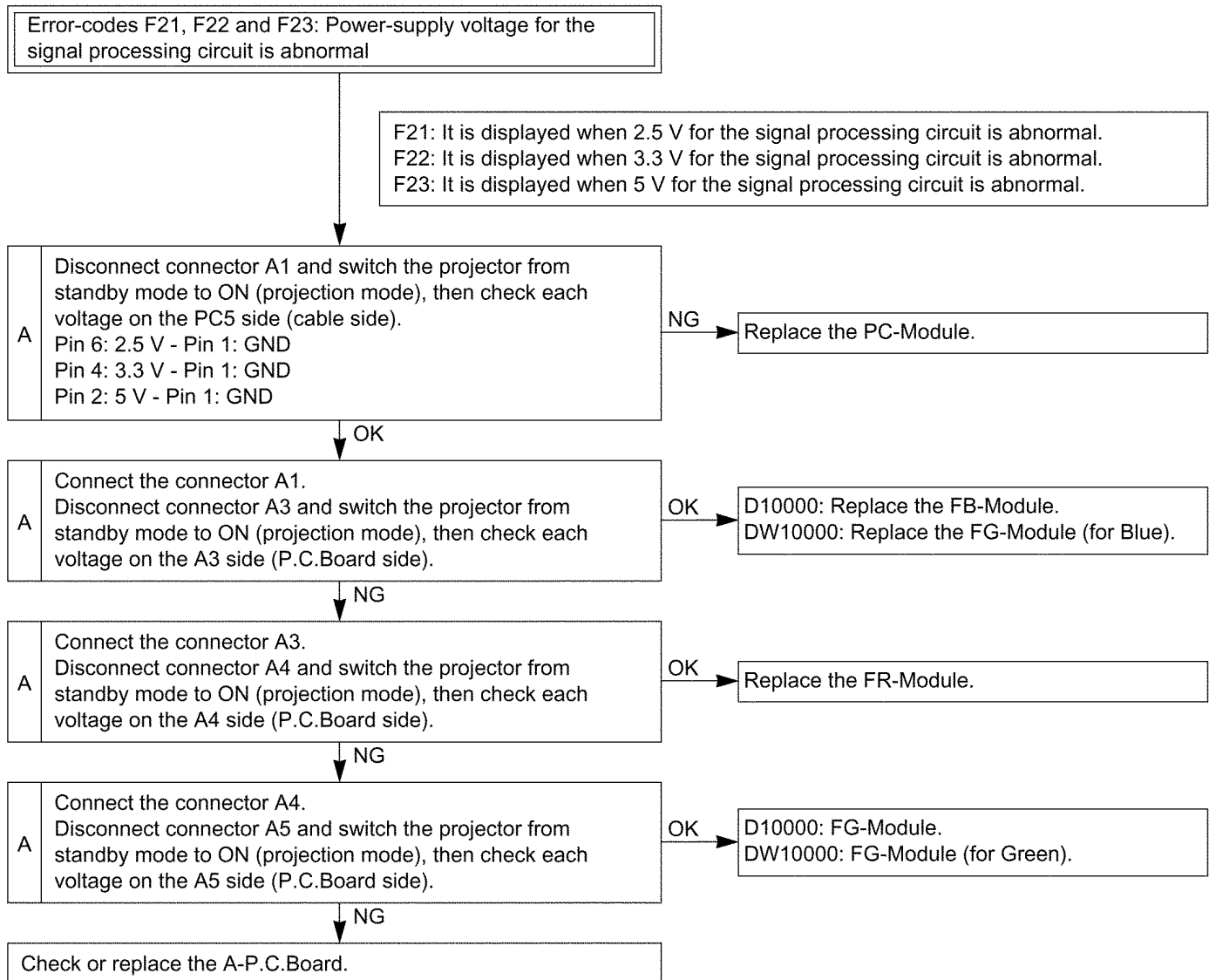
1. It might be displayed when AC voltage drops or a momentary power failure occurs. Confirm the power supply side (the equipment of the motor system in the supply of electric power is another system, etc).
2. It might be displayed when turning on the lamp again immediately after it was turned off (the lamp is still in the state of the high temperature). Turn on the power after the temperature of the lamp falls.



Error-codes FP1, FP2, FP3 and FP4: PF-Module defective operation

It is displayed when the heat sink of PF-module overheats.





Temperature monitor (TEMP) blinks

③

When error-code "FE1-FE9, FF0-FF8" is displayed on the self-diagnosis display located at the side of the projector, rotation error of the cooling fan is indicated.
Refer to attached table 1 for the comparison between the error-code and the abnormal fan.

Error-code: FE1

G Connector G13 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6505, IC6509, IC6013

YES

G Check IC6012 and the peripheral circuit.
Replace the power unit fan.

Error-code: FE2 or FE3

J2 Connector J22 pin 3 is 7 V or higher.
Connector J23 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6501, IC6509, IC6013

YES

G Check IC6012 and the peripheral circuit.
Replace the lamp fan 1/2.

Error-code: FE4 or FE5

J3 Connector J32 pin 3 is 7 V or higher.
Connector J33 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6502, IC6509, IC6013

YES

G Check IC6012 and the peripheral circuit.
Replace the lamp fan 3/4.

Error-code: FE6 or FF7

J2 Connector J24 pin 3 is 7 V or higher.
Connector J25 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6506, IC6509, IC6013

YES

G Check IC6012, IC6011 and the peripheral circuit.
Replace the ballast fan 1/2.

Error-code: FE7 or FF8

J3 Connector J34 pin 3 is 7 V or higher.
Connector J35 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6507, IC6509, IC6013

YES

G Check IC6012, IC6011 and the peripheral circuit.
Replace the ballast fan 3/4.

Error-code: FE8

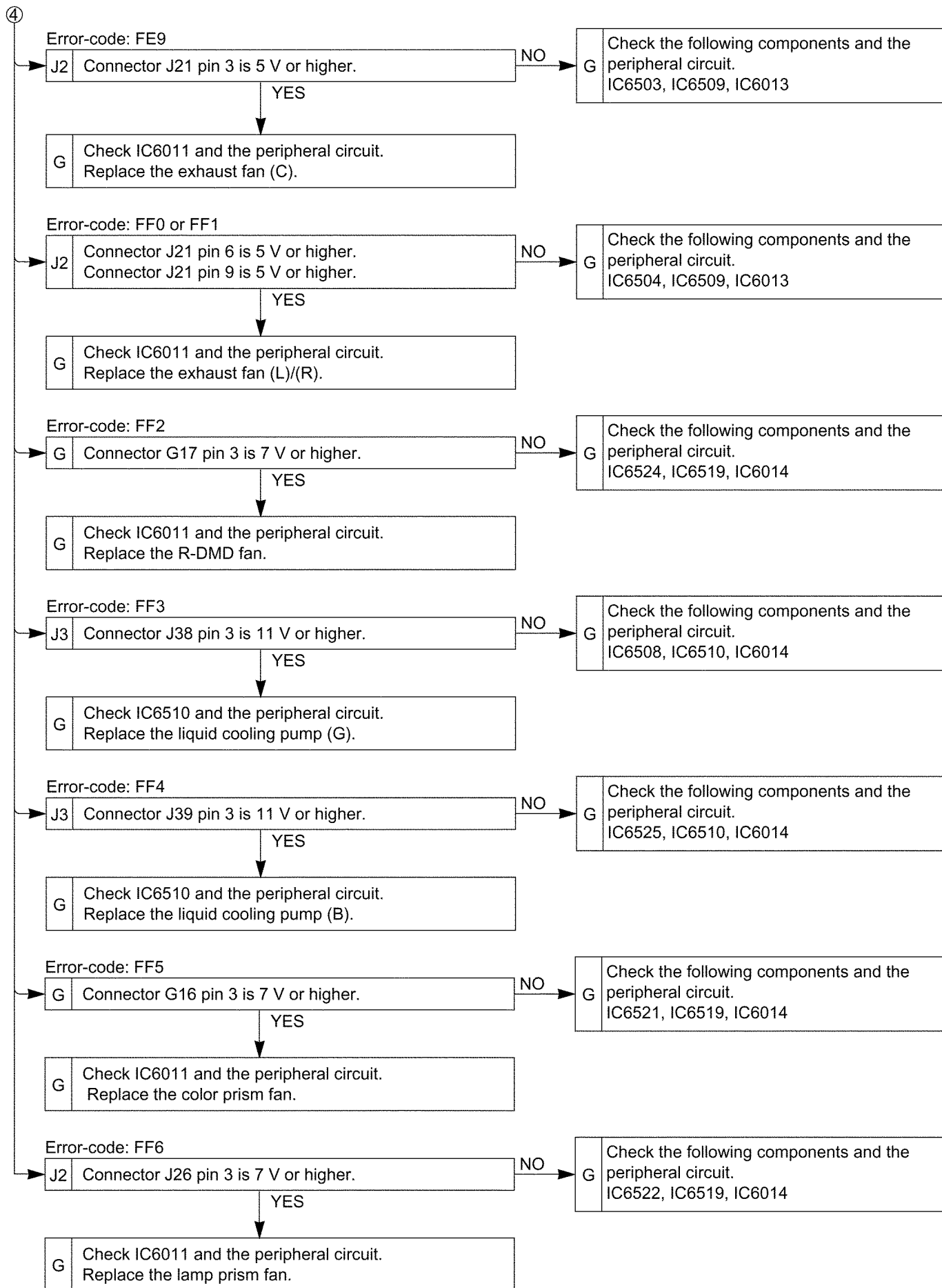
J3 Connector J37 pin 3 is 7 V or higher.

NO

G Check the following components and the peripheral circuit.
IC6523, IC6509, IC6013

YES

G Check IC6012 and the peripheral circuit.
Replace the radiator fan.

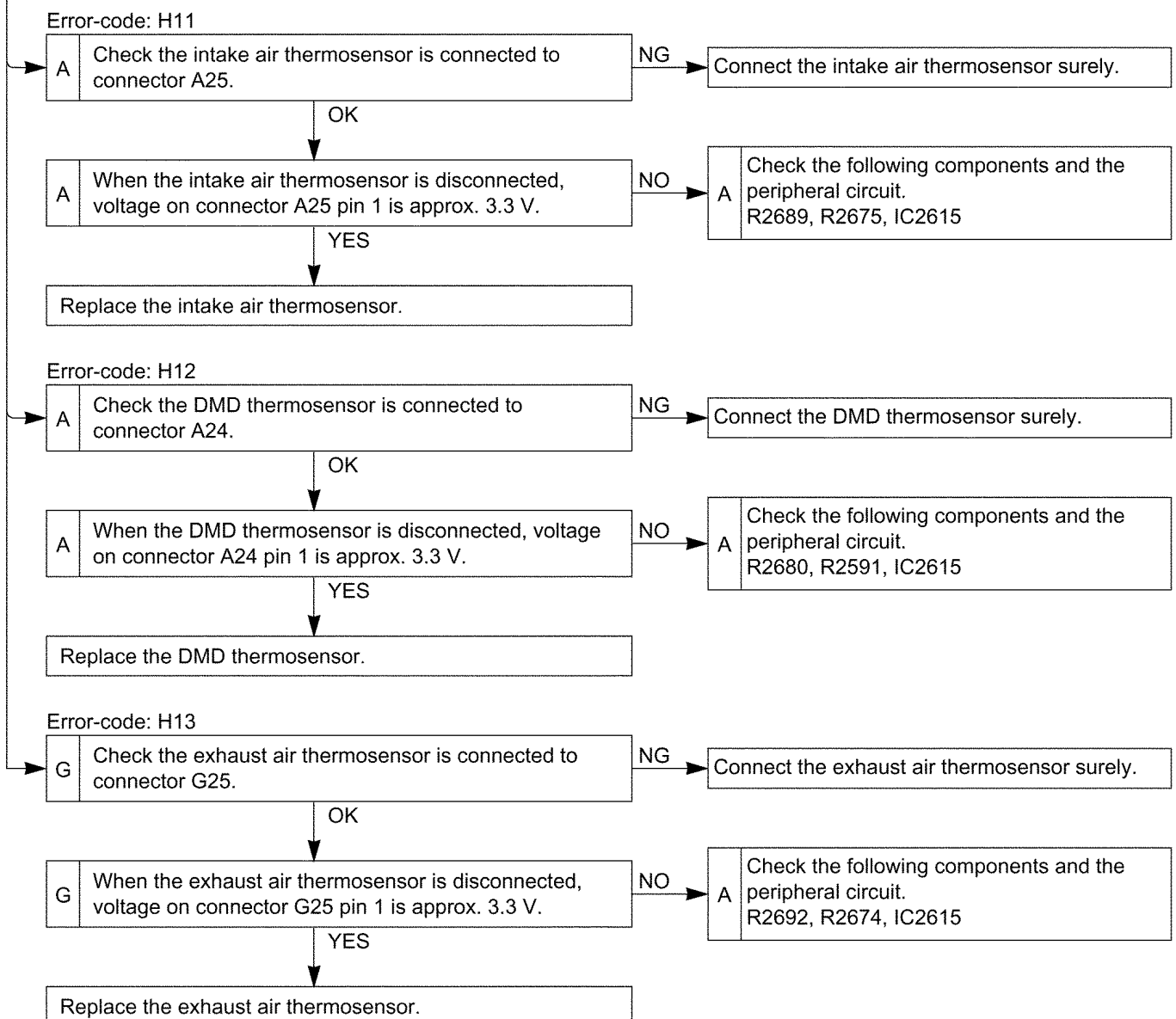


Attached table 1: Error-code List

Error-code	Connector	Fan/Module	Error-code	Connector	Fan/Module
FE1	G13	Power unit fan	FF0	J21(L)	Exhaust fan (L)
FE2	J22	Lamp fan 1	FF1	J21(R)	Exhaust fan (R)
FE3	J23	Lamp fan 2	FF2	G17	R-DMD fan
FE4	J32	Lamp fan 3	FF3	J38	Liquid cooling pump (G)
FE5	J33	Lamp fan 4	FF4	J39	Liquid cooling pump (B)
FE6	J24	Ballast fan 1	FF5	G16	Color prism fan
FE7	J34	Ballast fan 3	FF6	J26	Lamp prism fan
FE8	J37	Radiator fan	FF7	J25	Ballast fan 2
FE9	J21(C)	Exhaust fan (C)	FF8	J35	Ballast fan 4

③

When error-code "H11-H13" is displayed on the self-diagnosis display located at the side of the projector, an error related to thermosensor is indicated.



③

When error-code "F11-F13" is displayed on the self-diagnosis display located at the side of the projector, an error related to mechanical section is indicated.

Error-code: F11 [Shutter error]

Check whether a movable part is caught in the mechanical aperture.

NG → Eliminate the cause of caught.
(If the error is not canceled, go to the next.)

OK

G Check the lens shutter is connected to connector G11.

NG → Connect the lens shutter surely.

OK

G Check IC6518 and the peripheral circuit.
Replace the mechanical aperture unit.

Error-code: F12 [Dynamic iris error]

Check whether a movable part is caught in the cleaning unit.

NG → Eliminate the cause of caught.
(If the error is not canceled, go to the next.)

OK

G Check the iris motor and H-P.C.Board are connected to connector G8.

NG → Connect the connector surely.

OK

G Check IC6512 and the peripheral circuit.
Replace the dynamic iris unit.

Error-code: F13 [Air filter cleaning unit error]

Check whether a movable part is caught in the cleaning unit.

NG → Eliminate the cause of caught.
(If the error is not canceled, go to the next.)

OK

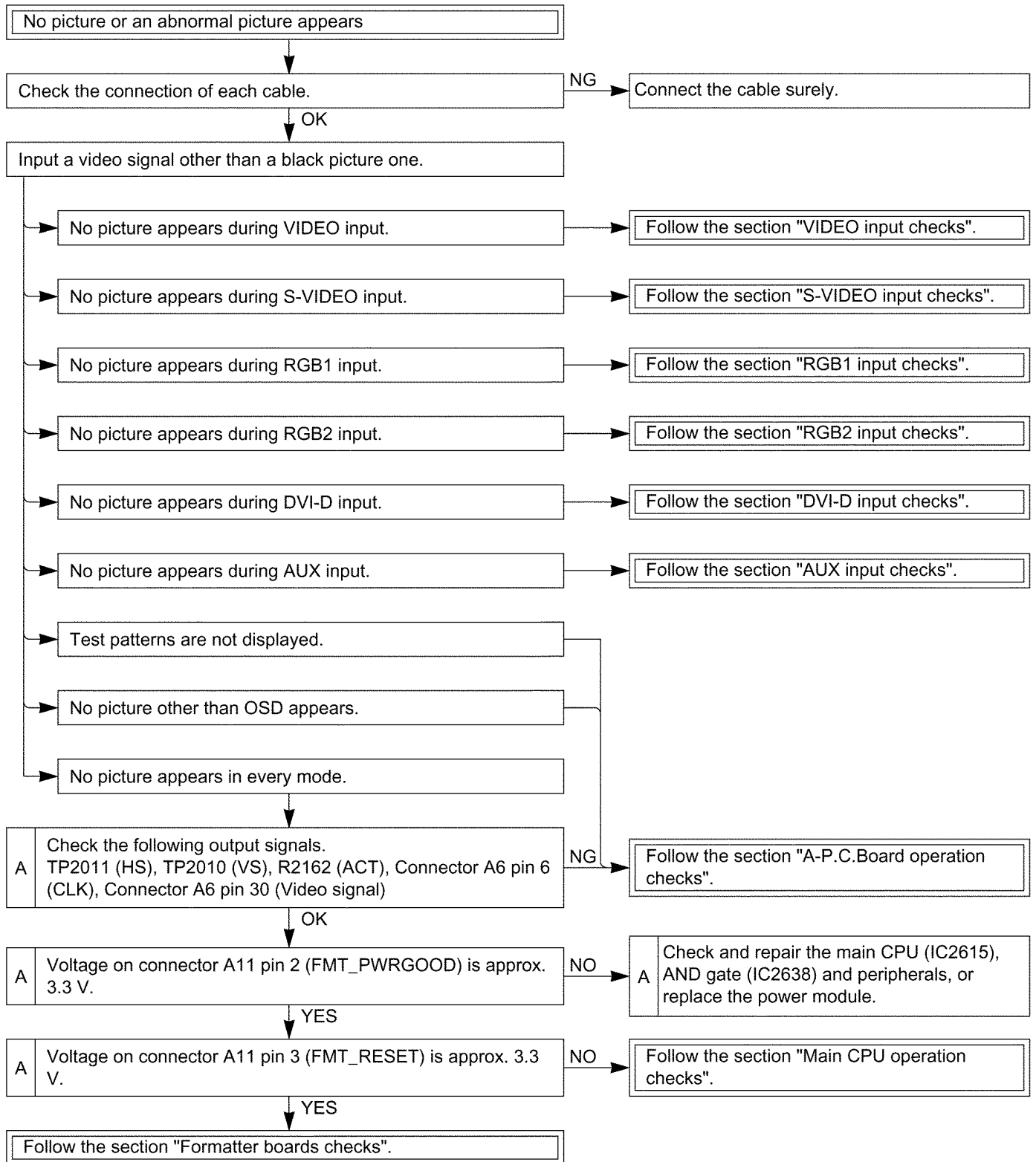
Replace the cleaning unit.
(If the error is not canceled, go to the next.)

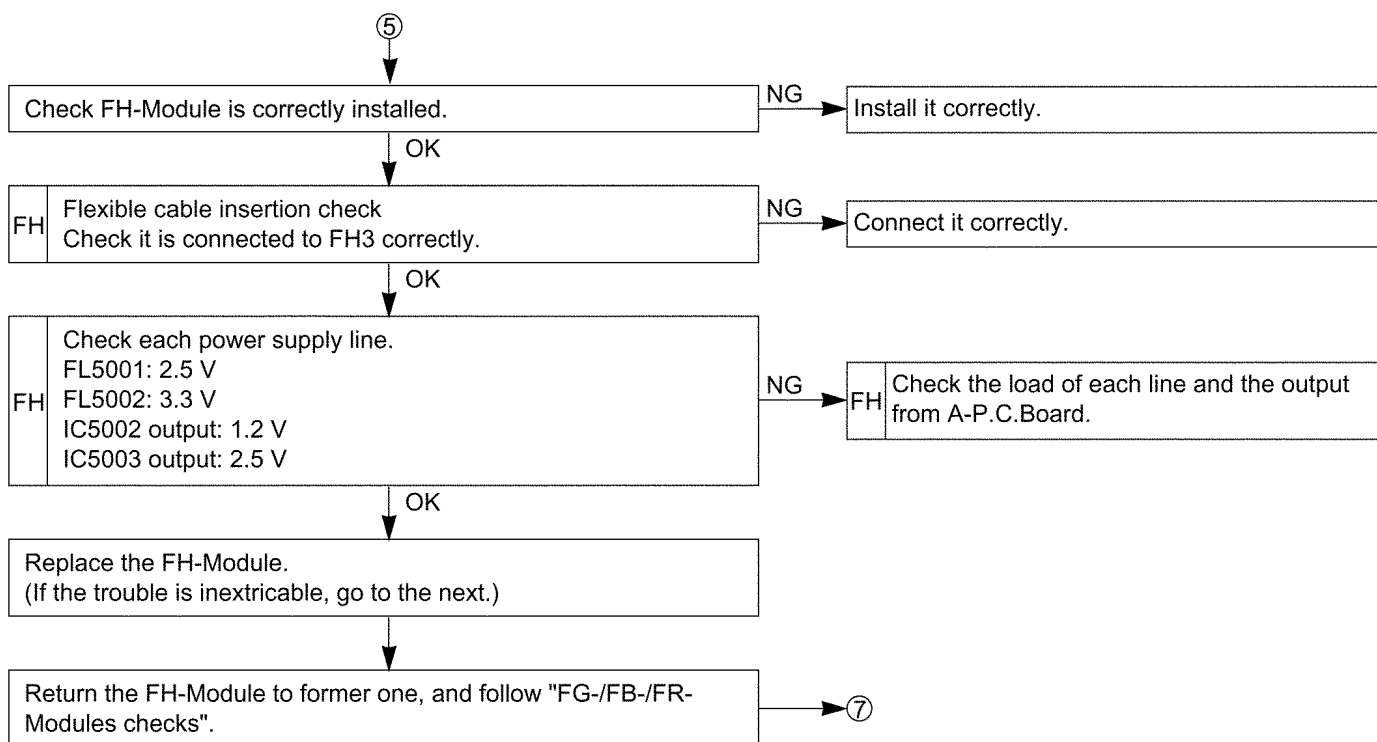
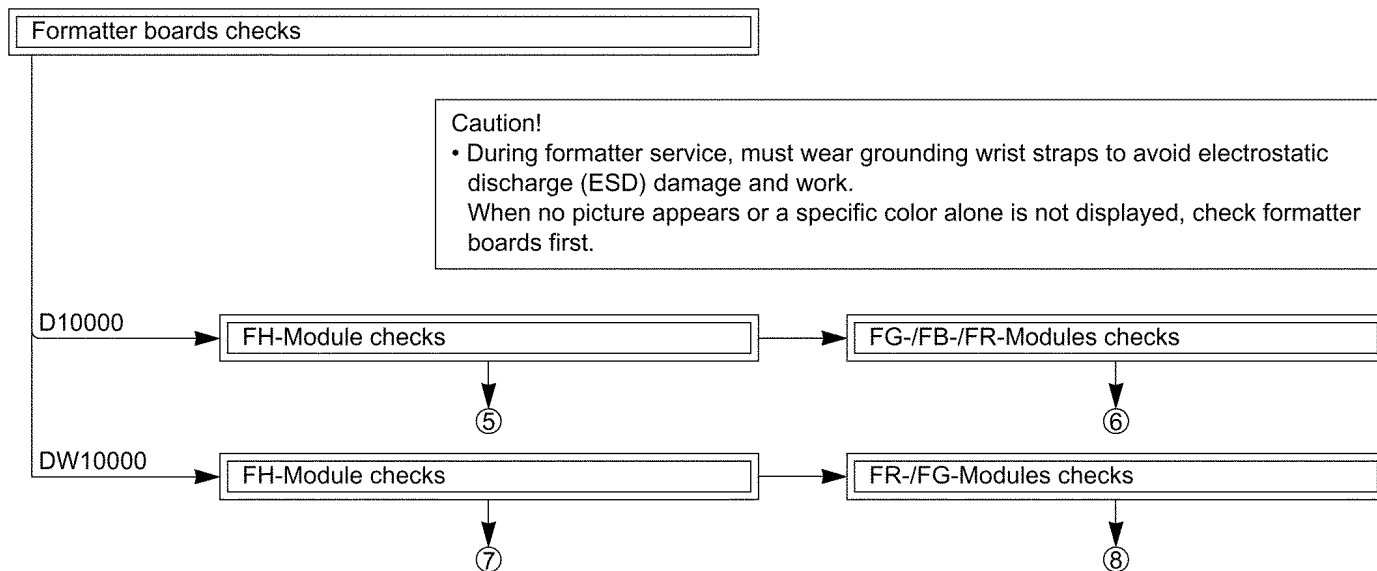
G Check the cleaner motor and CL-P.C.Board are connected to connector G12.

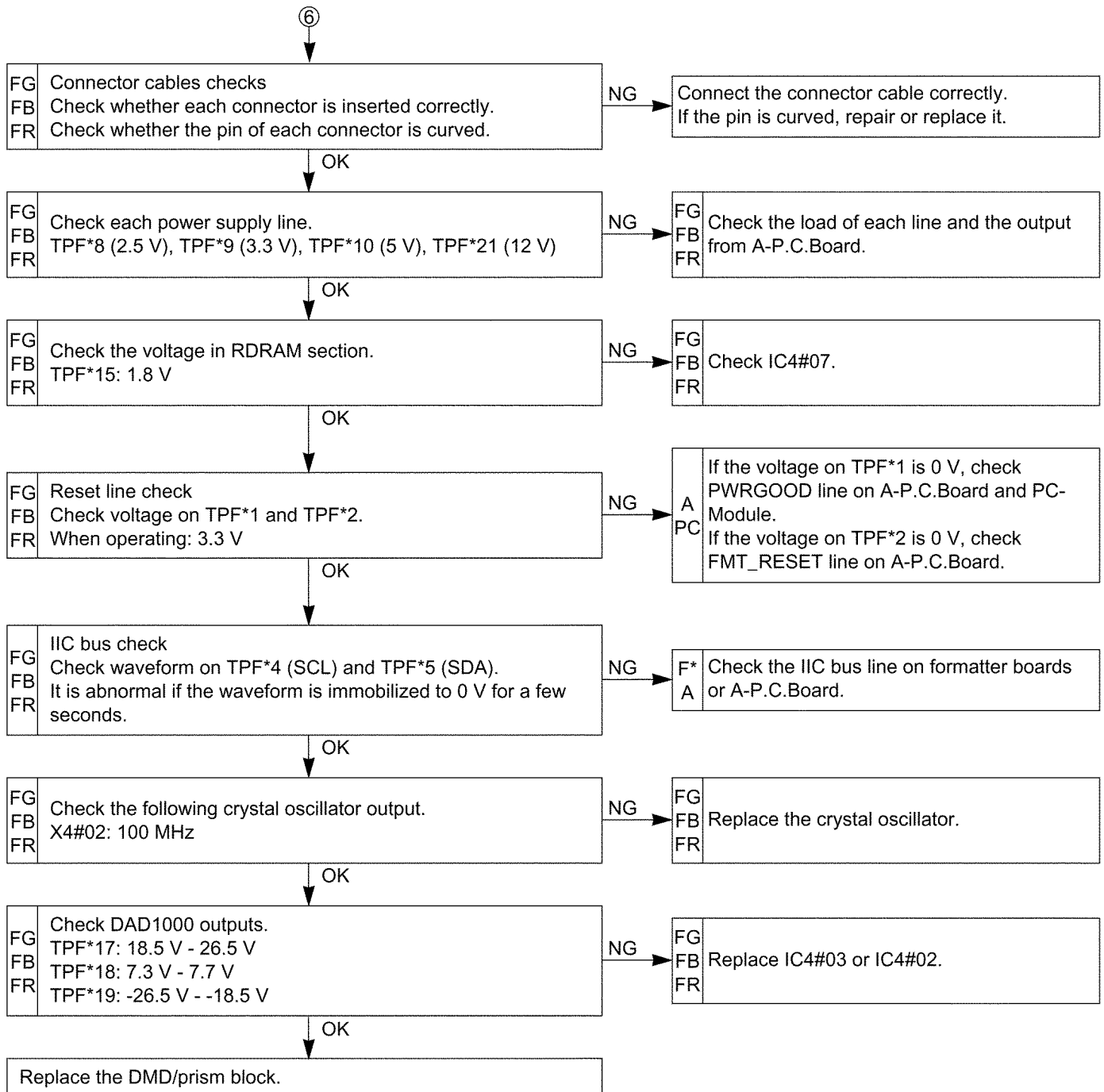
NG → Connect the connector surely.

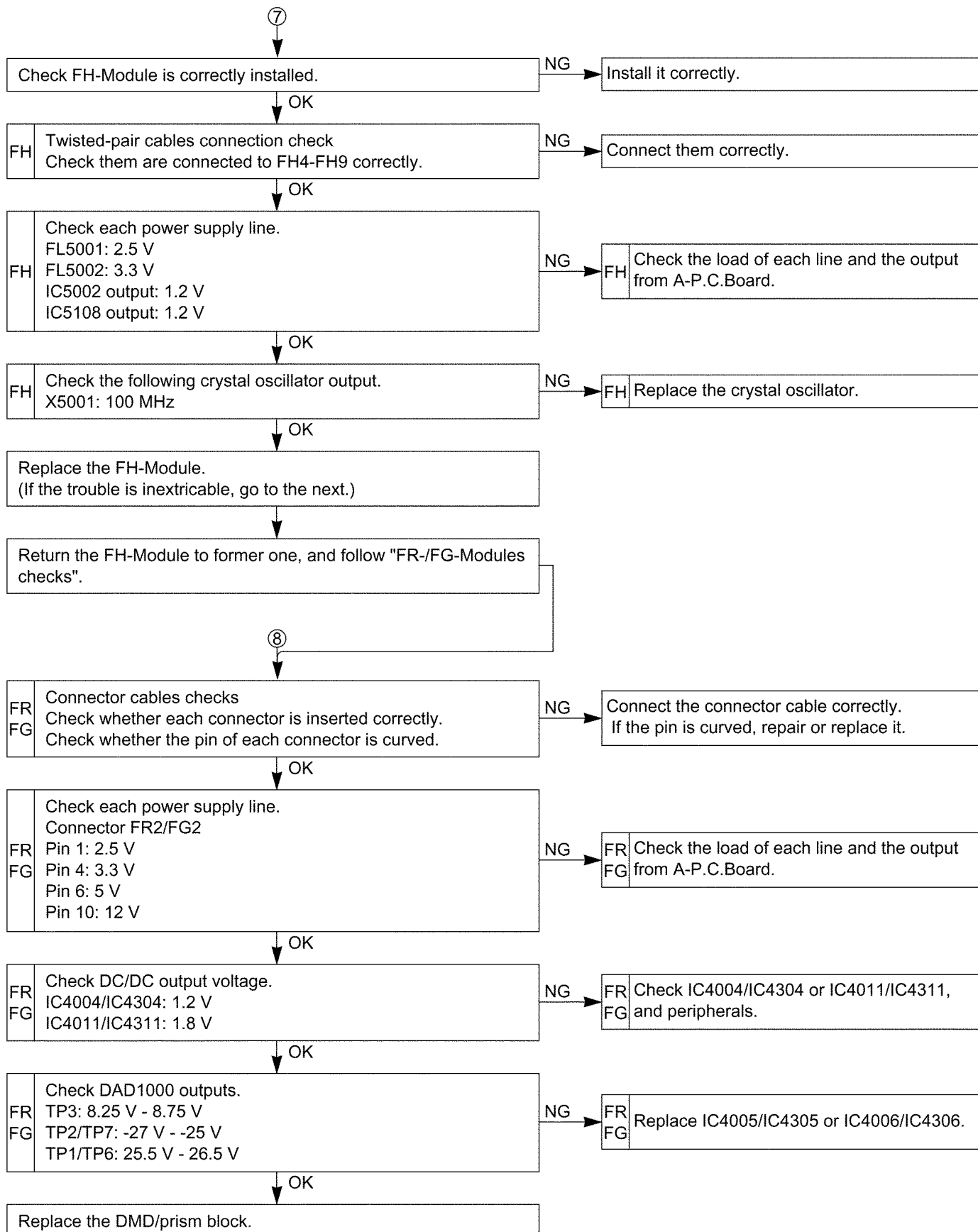
OK

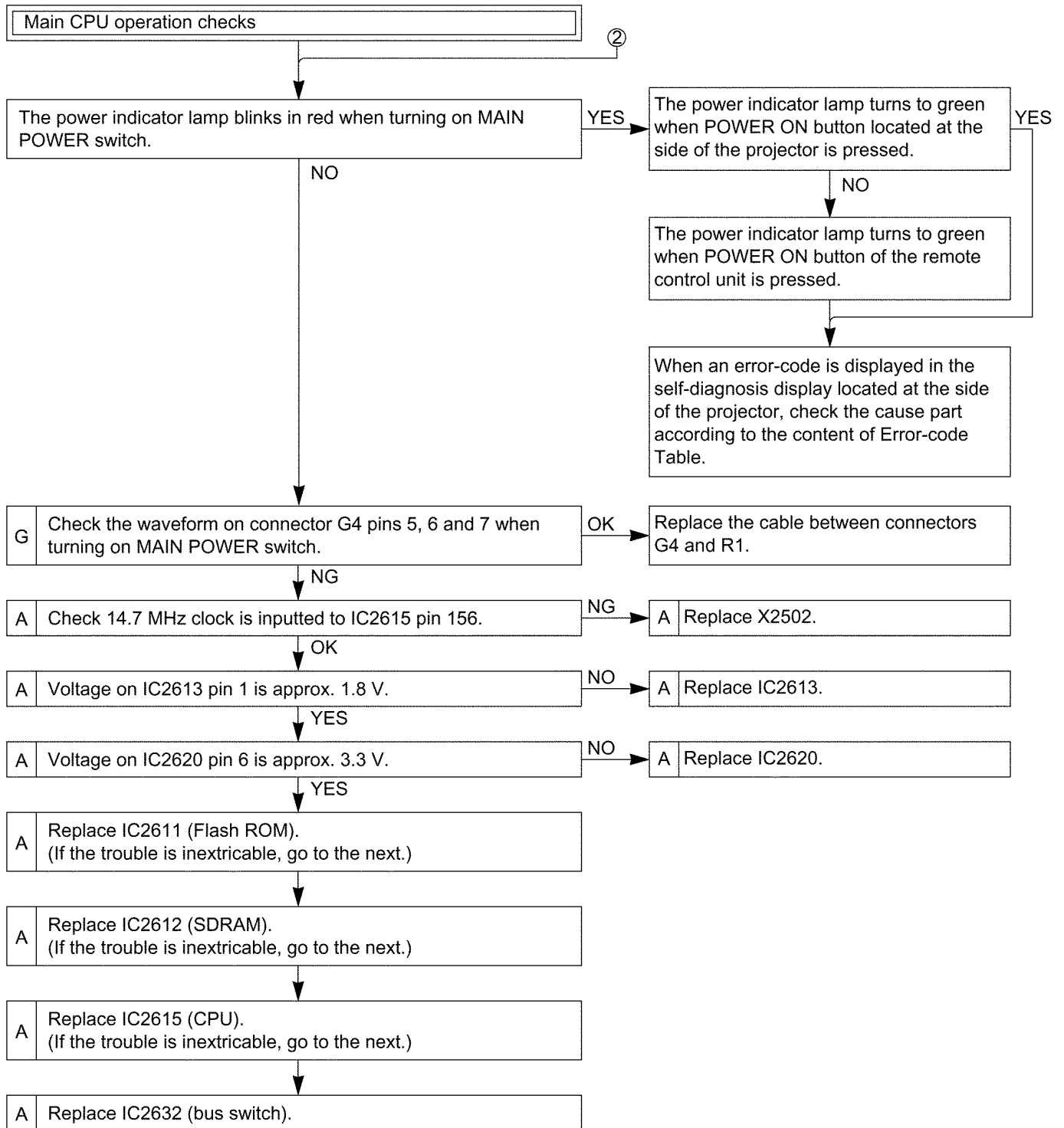
G Check IC6518 and the peripheral circuit.

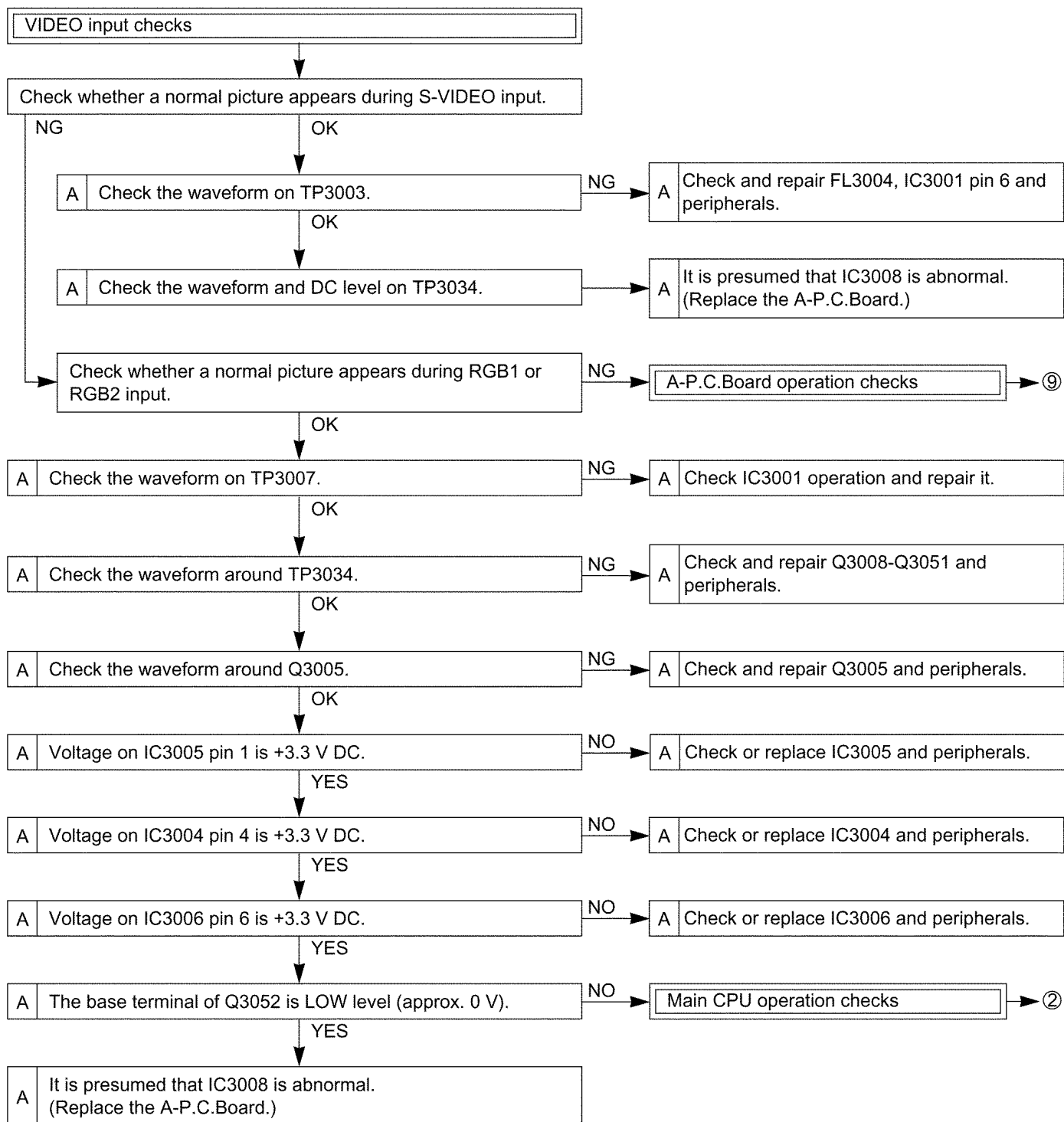


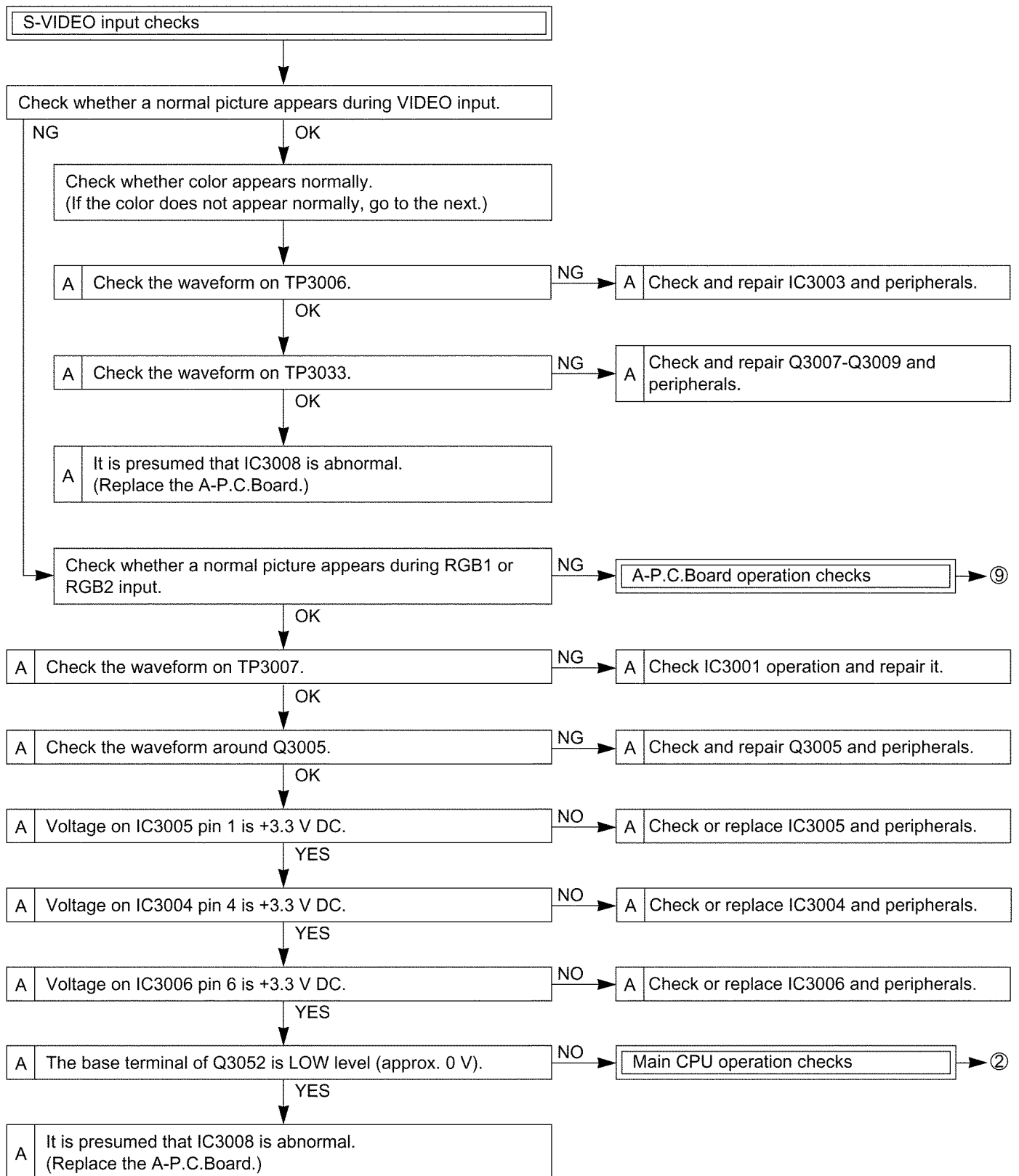


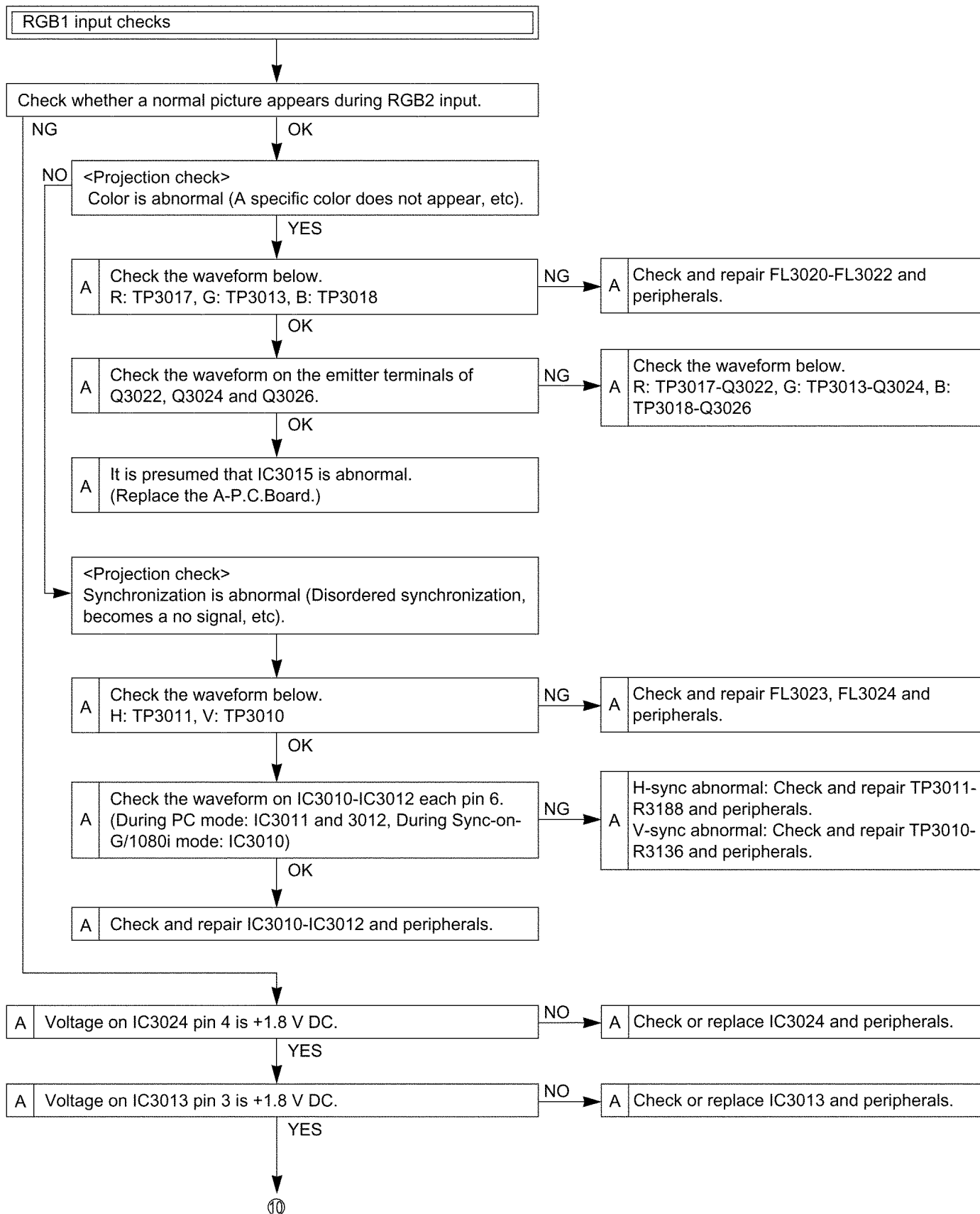


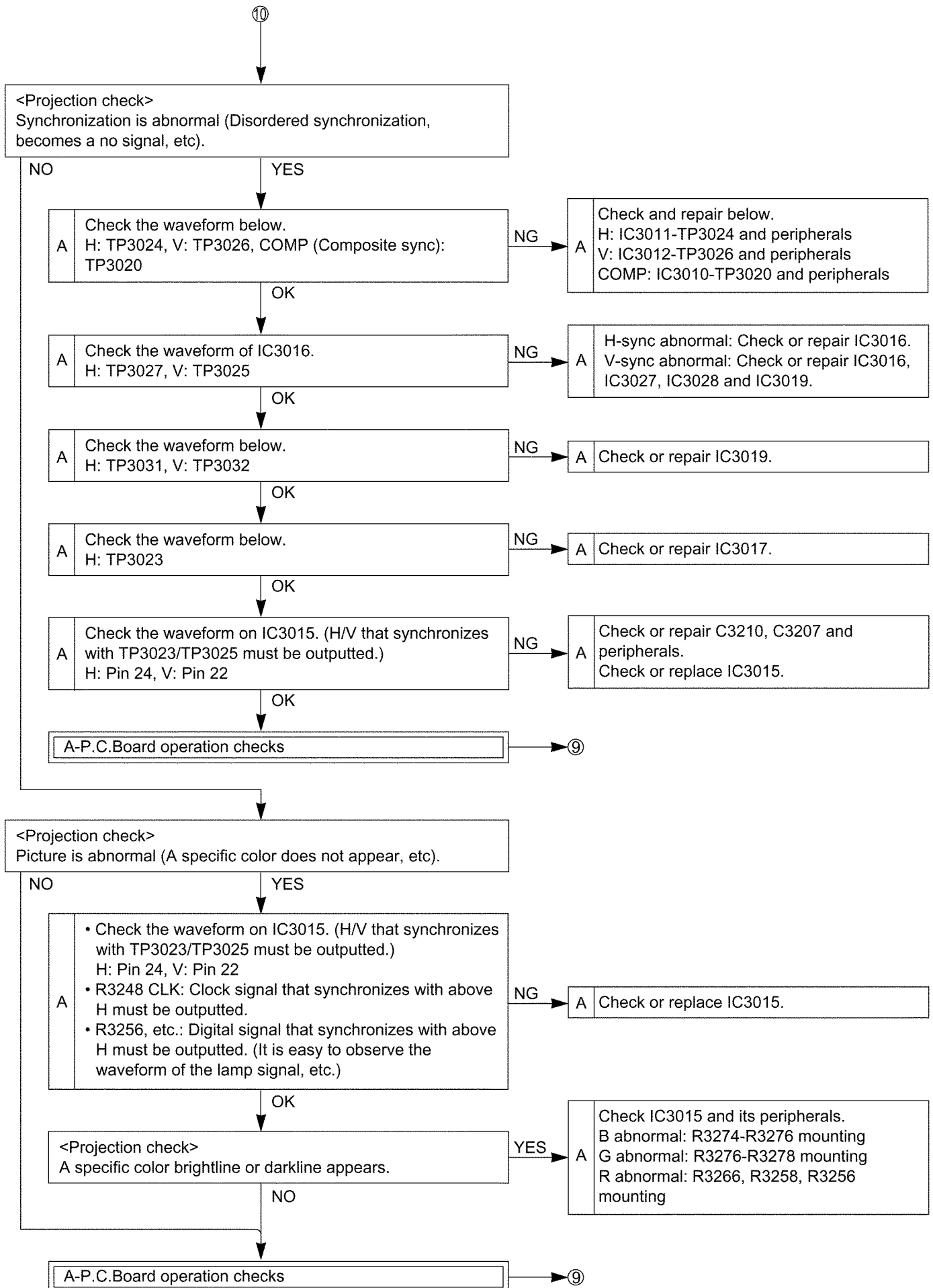


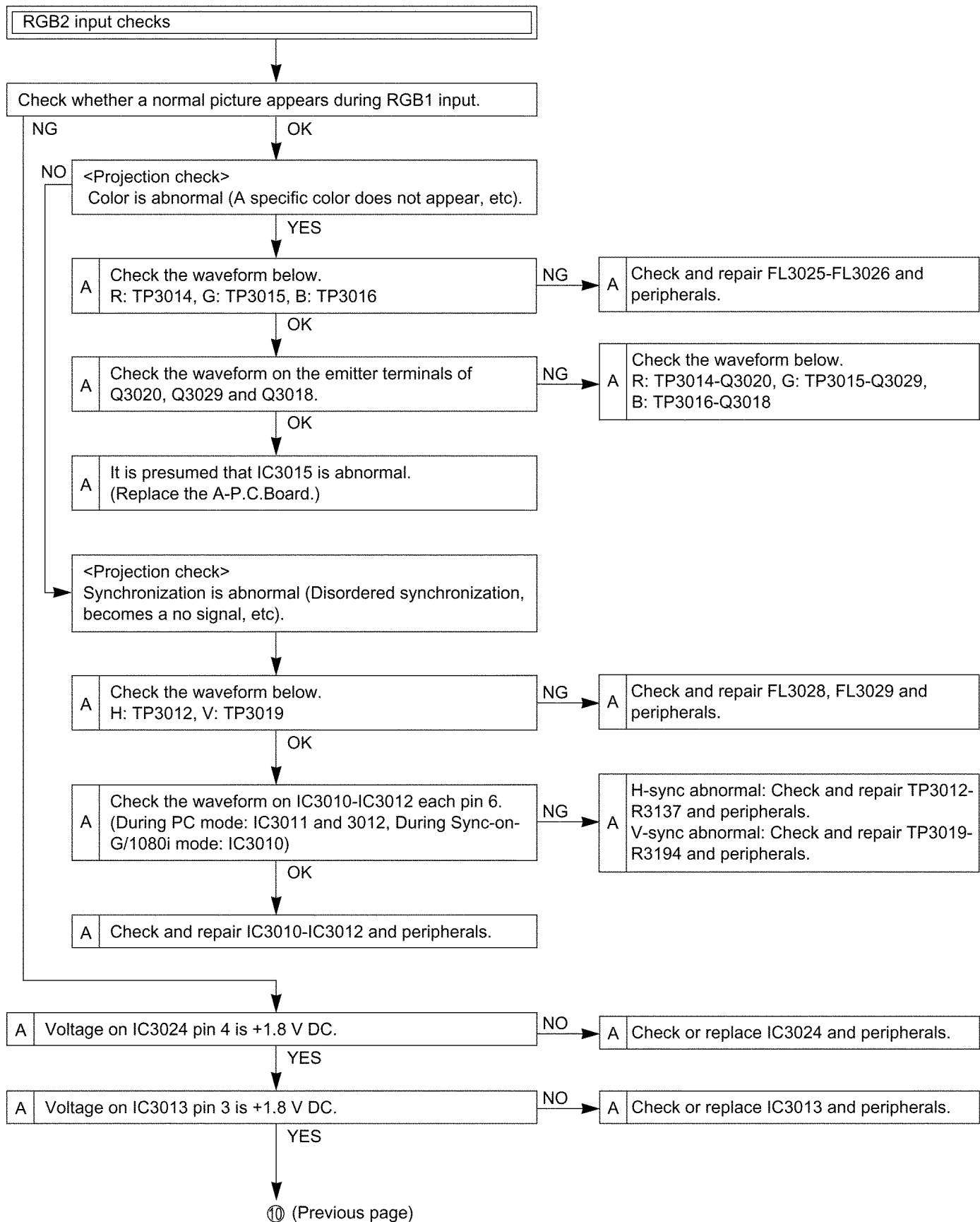


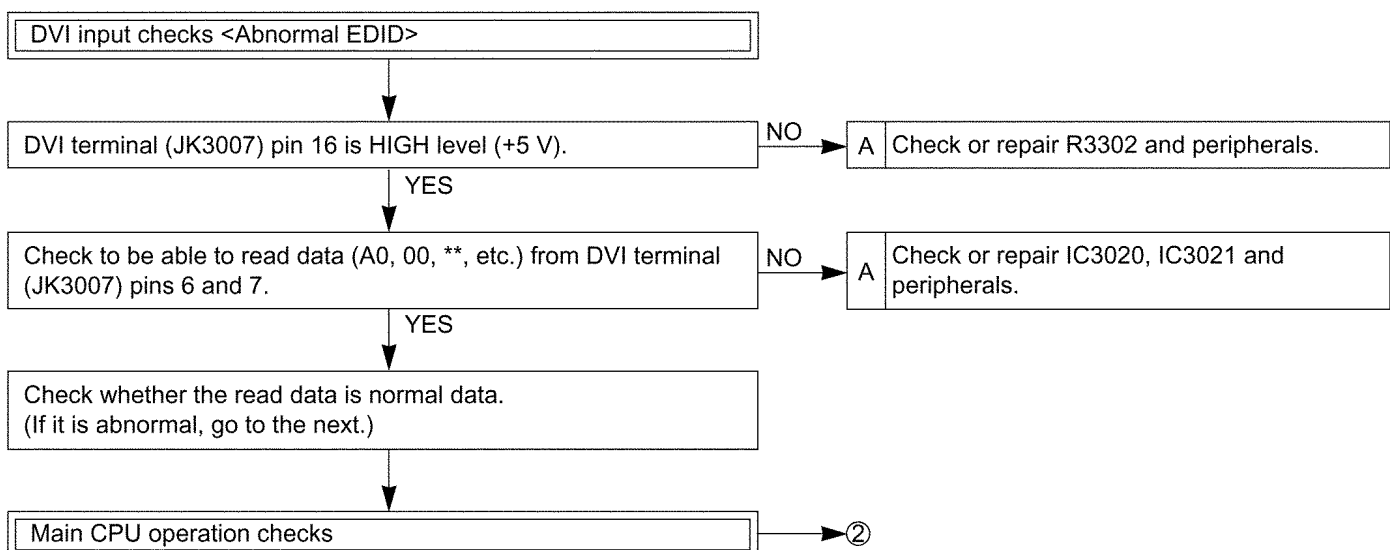
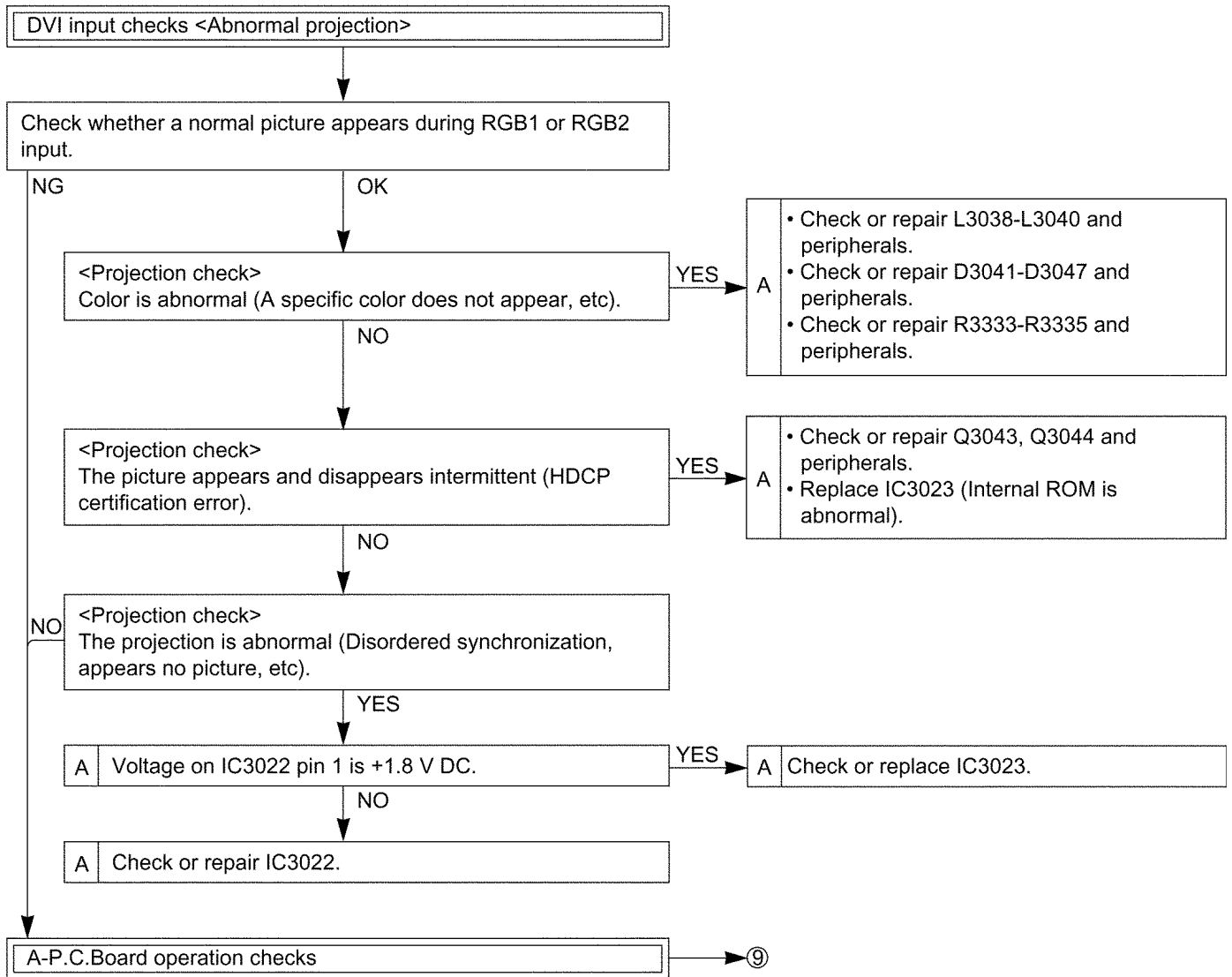


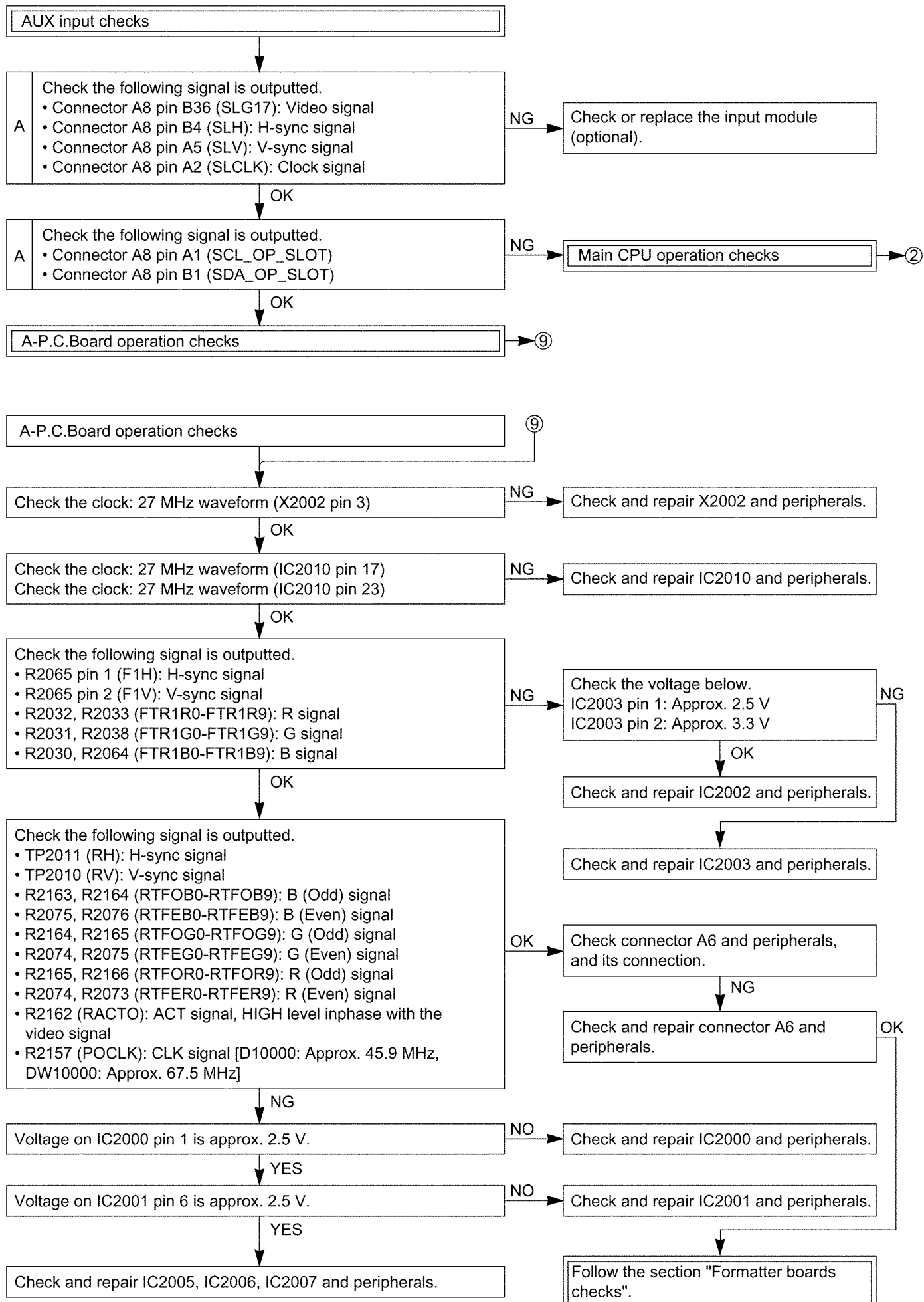








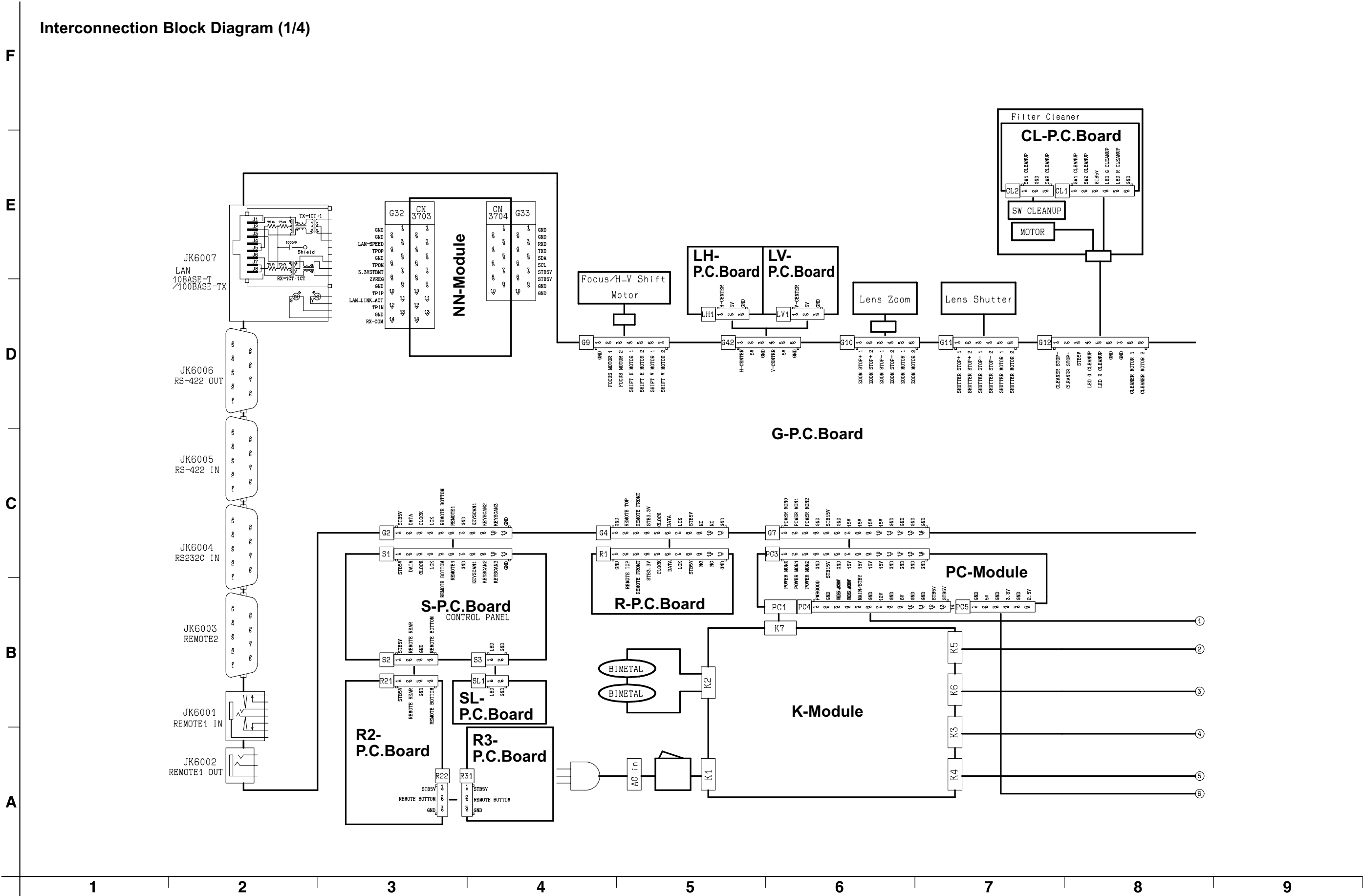




14 Interconnection Block Diagram

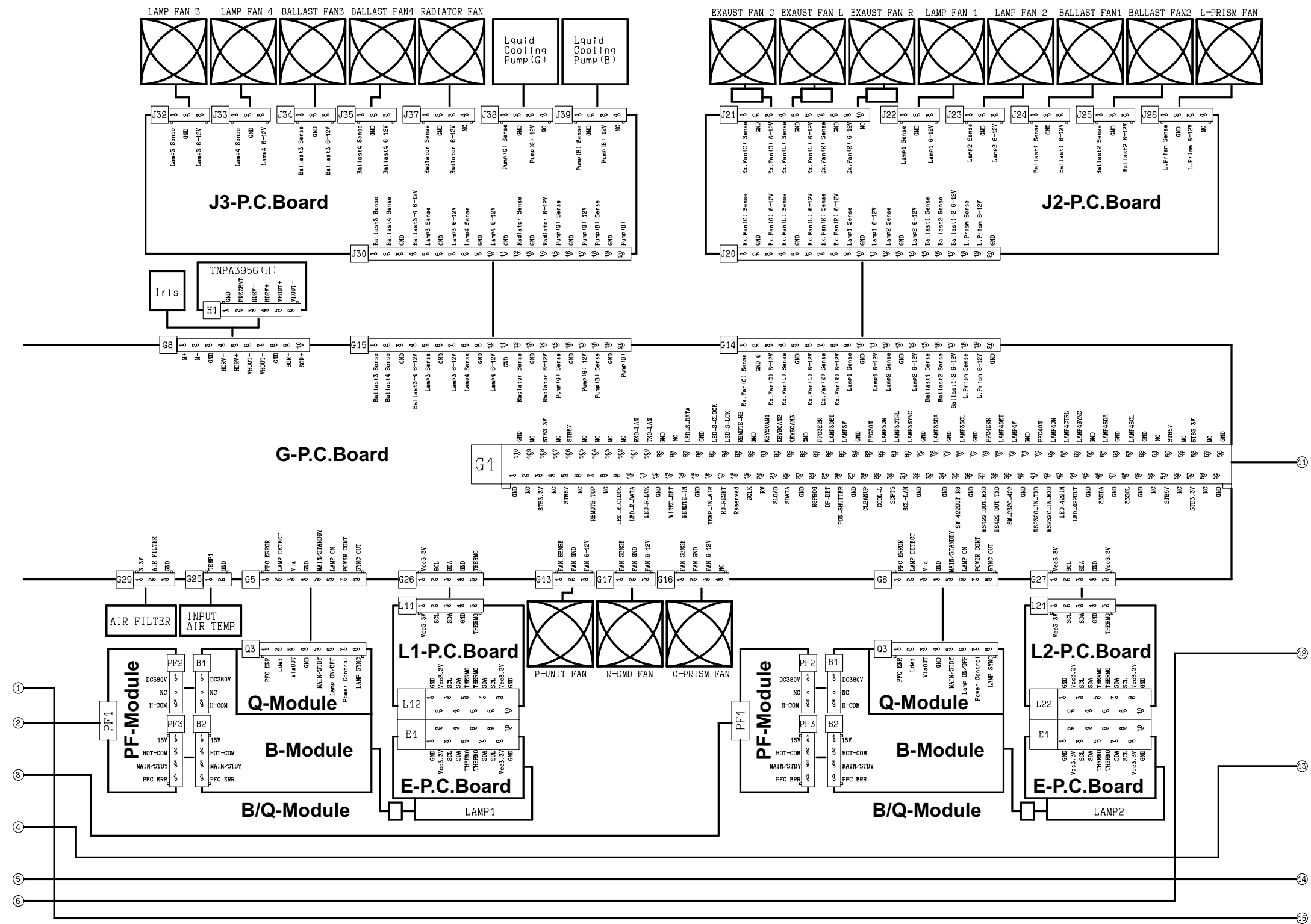
14.1. Interconnection Block Diagram (1/4)

Interconnection Block Diagram (1/4)



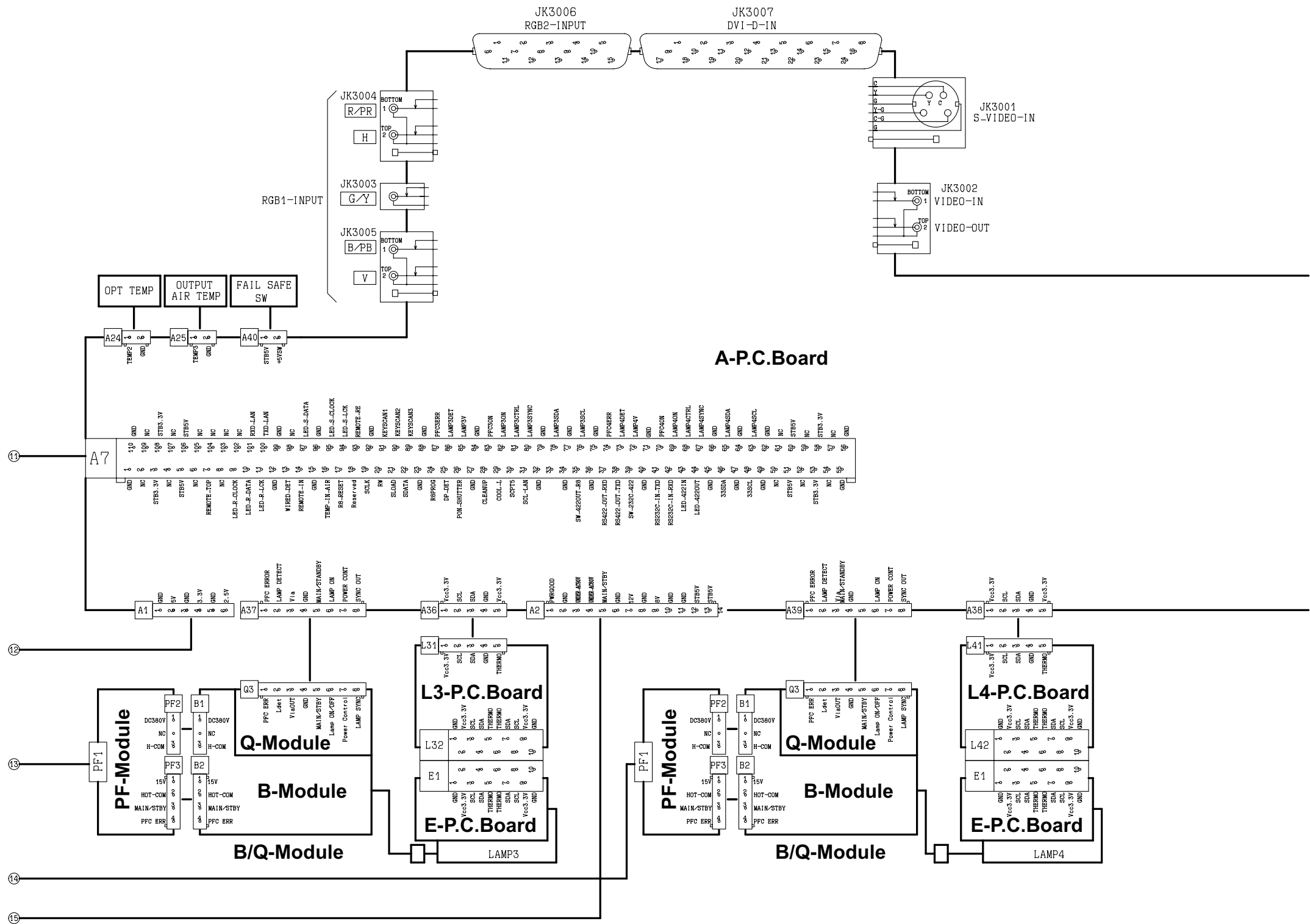
14.2. Interconnection Block Diagram (2/4)

Interconnection Block Diagram (2/4)

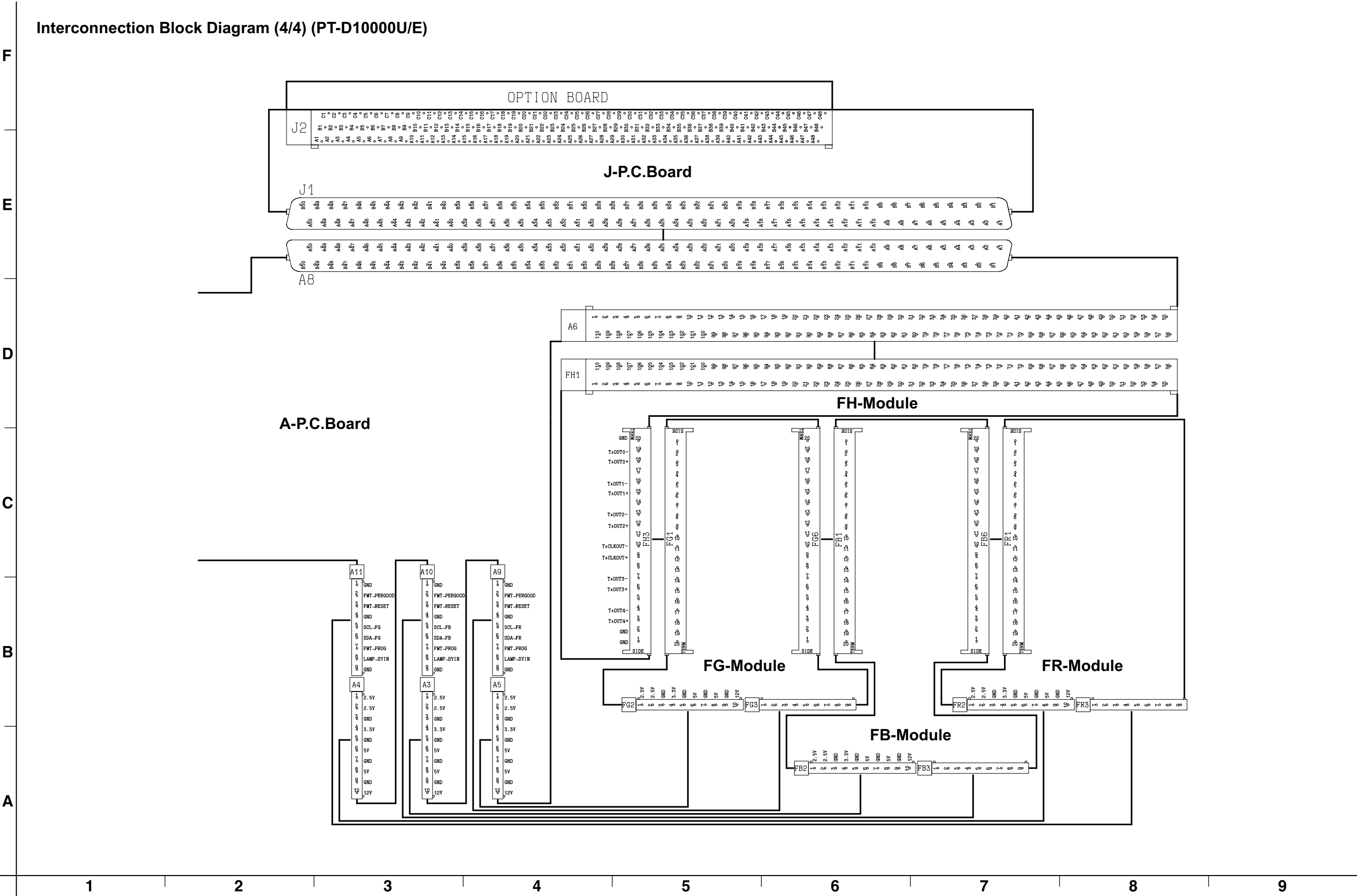


14.3. Interconnection Block Diagram (3/4)

Interconnection Block Diagram (3/4)

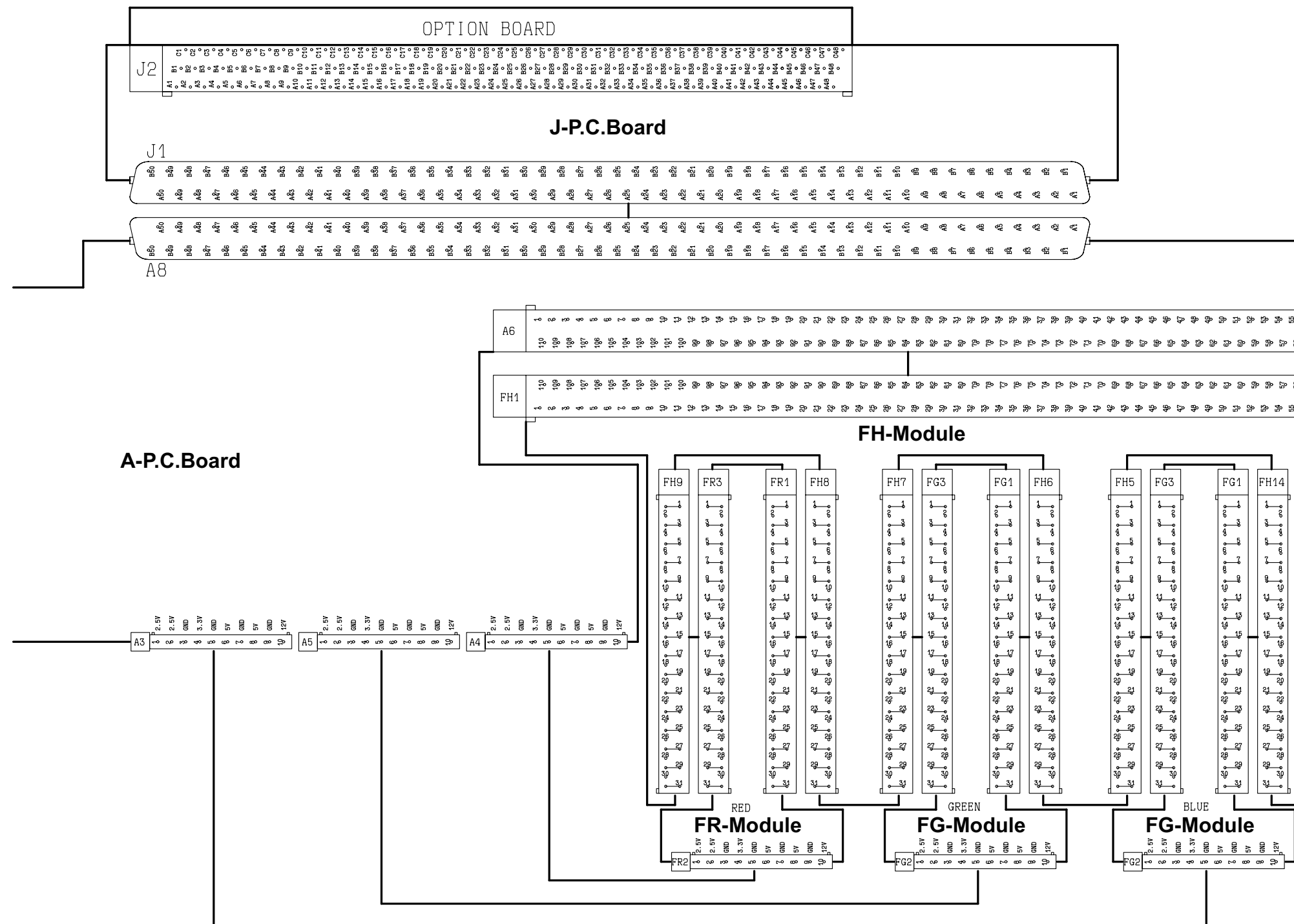


14.4. Interconnection Block Diagram (4/4) (PT-D10000U/E)



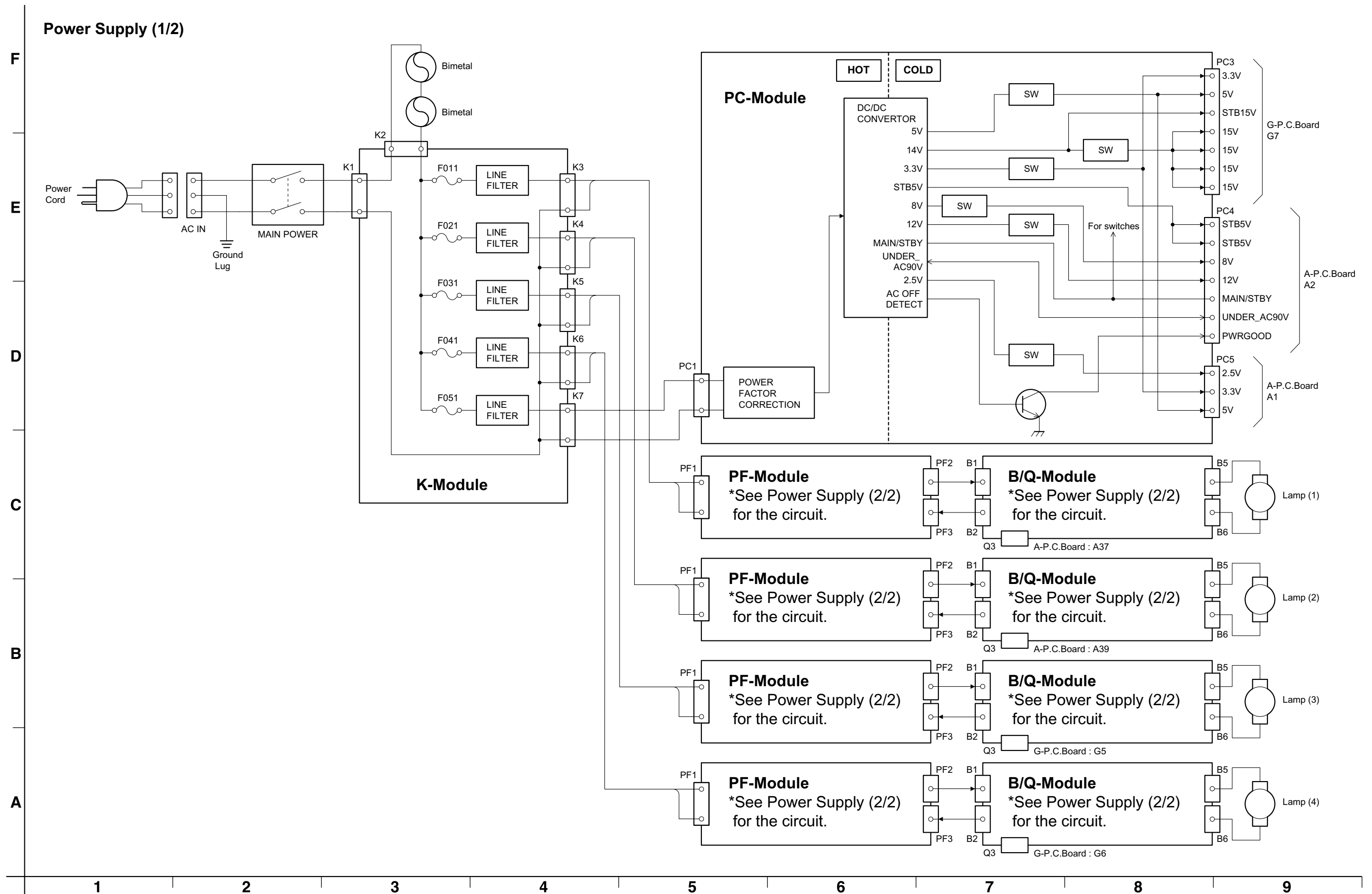
14.5. Interconnection Block Diagram (4/4) (PT-DW1000U/E)

Interconnection Block Diagram (4/4) (PT-DW10000U/E)



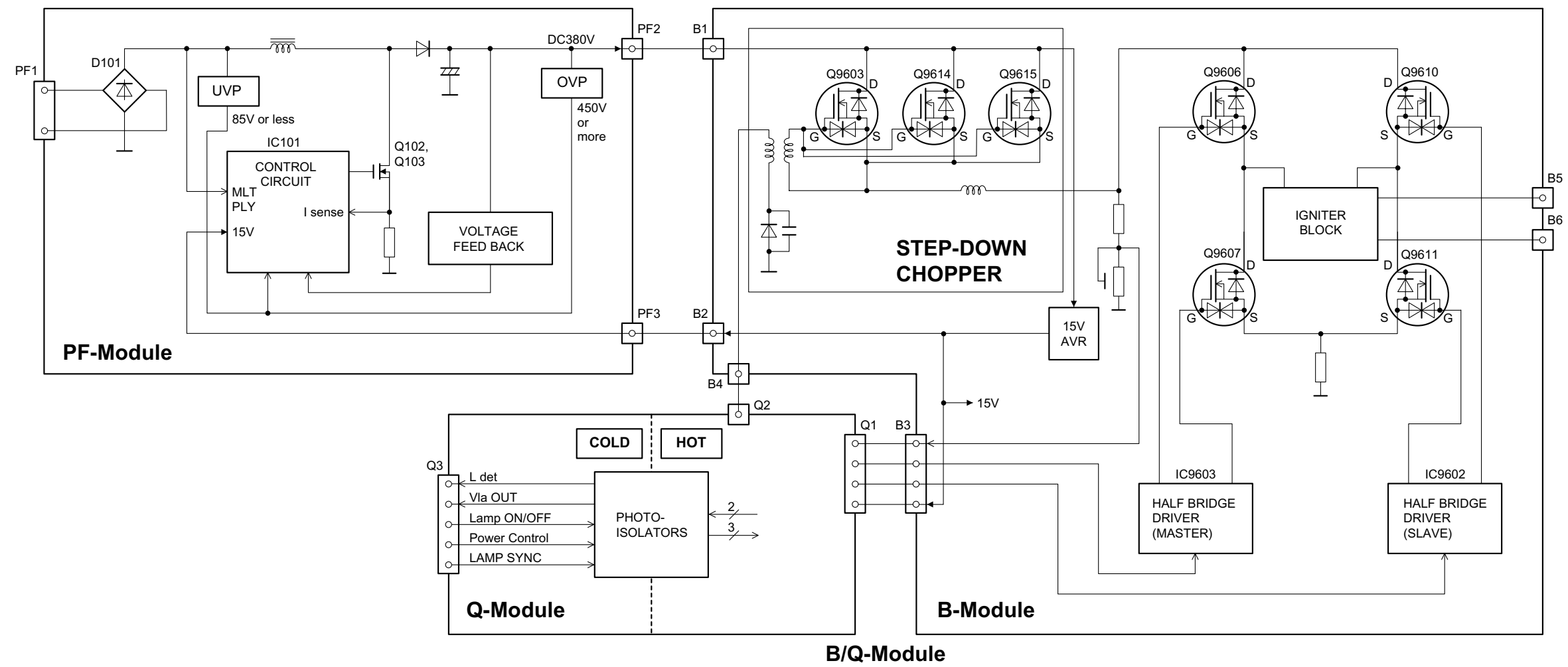
15 Block Diagram

15.1. Power Supply (1/2)

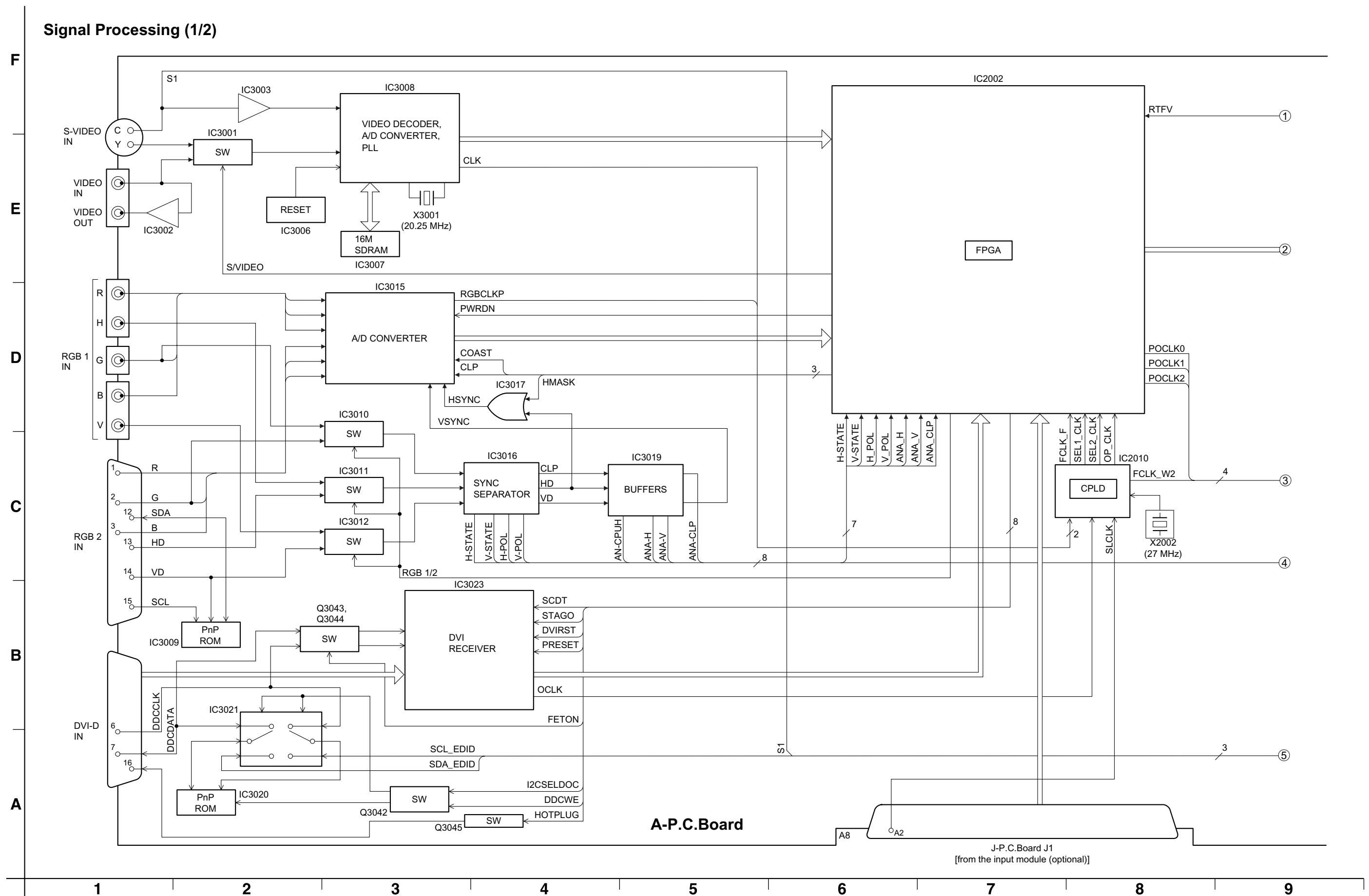


15.2. Power Supply (2/2)

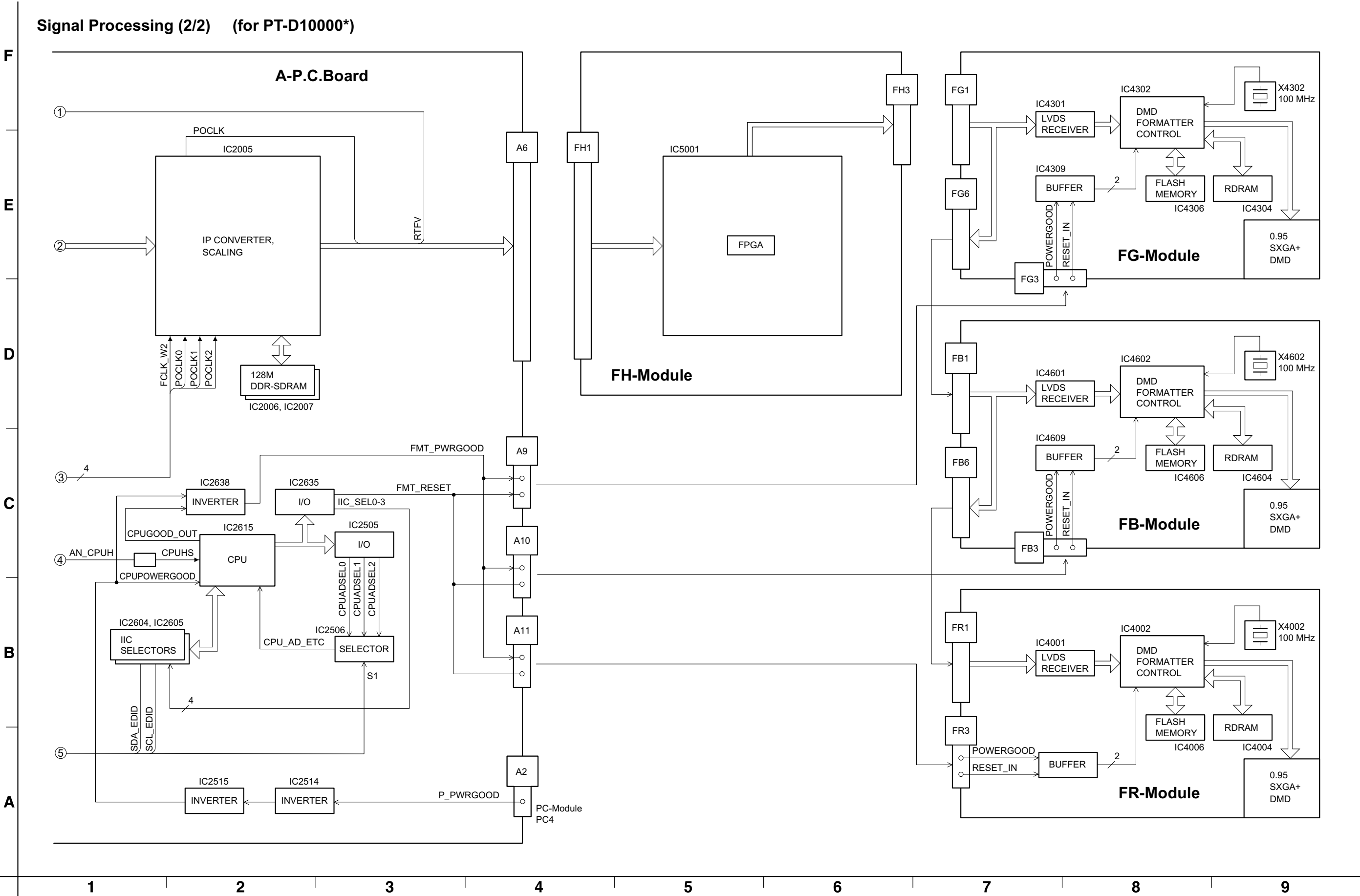
Power Supply (2/2)



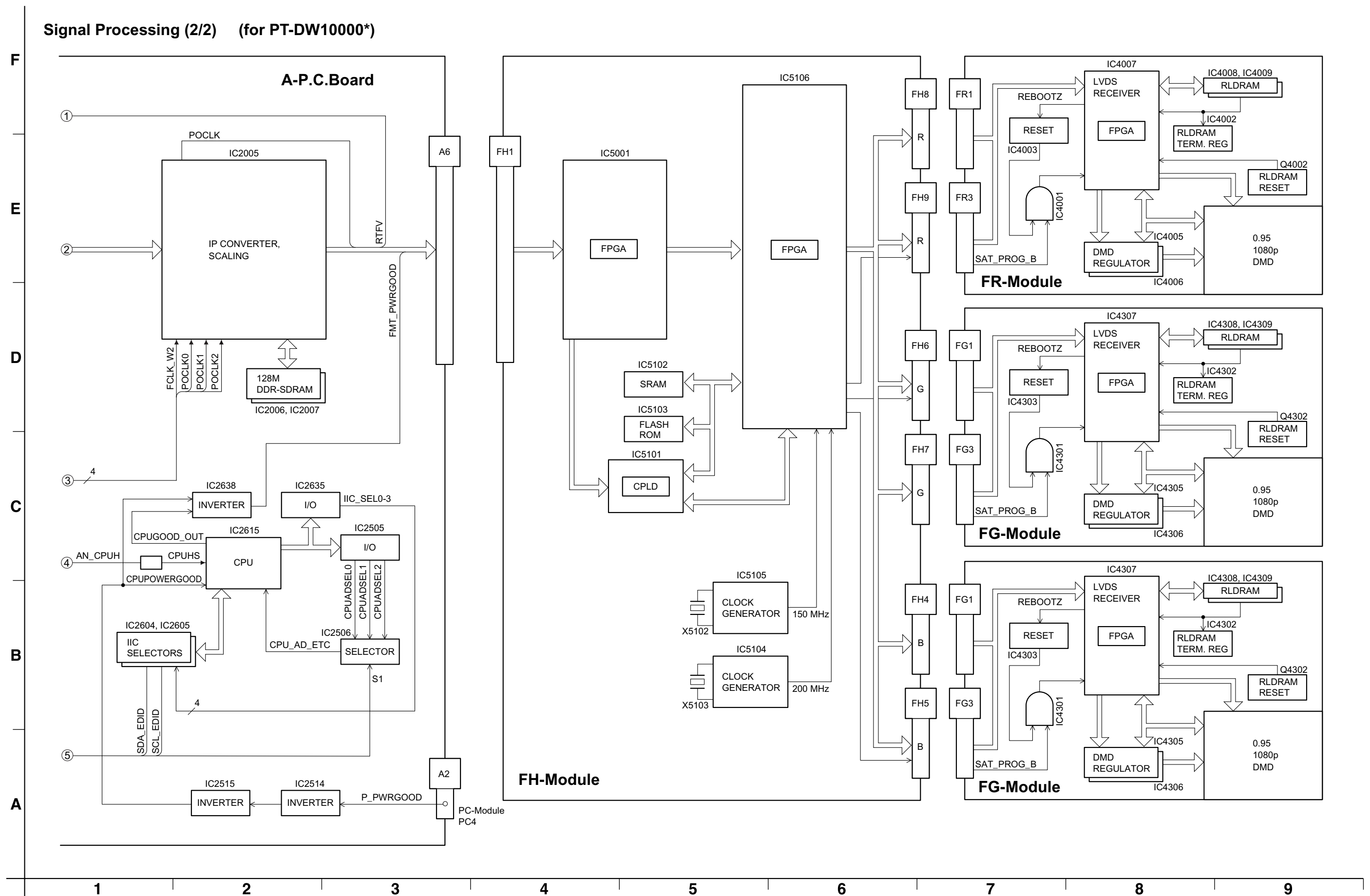
15.3. Signal Processing (1/2)



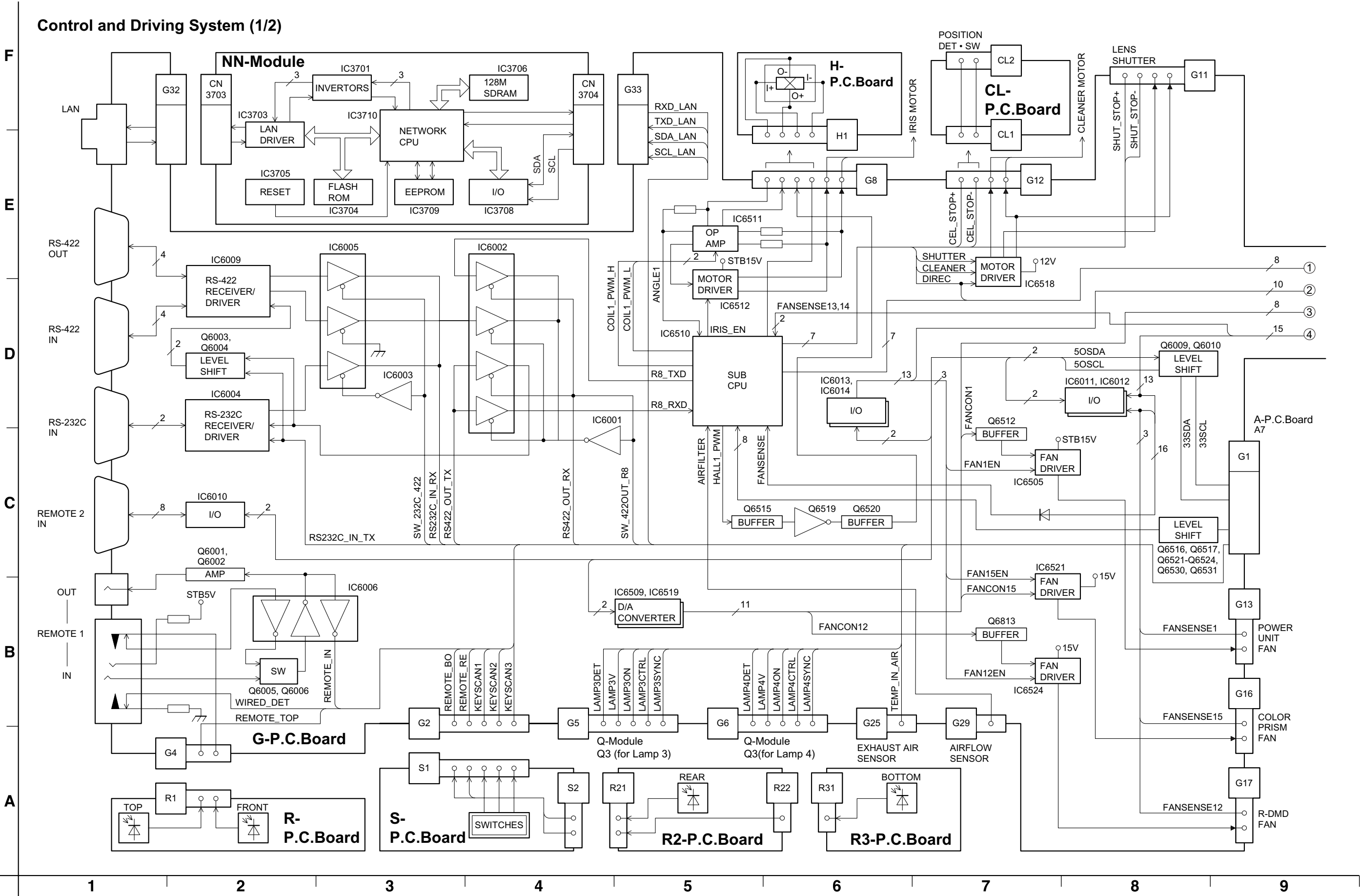
15.4. Signal Processing (2/2) (PT-D10000)



15.5. Signal Processing (2/2) (PT-DW10000)

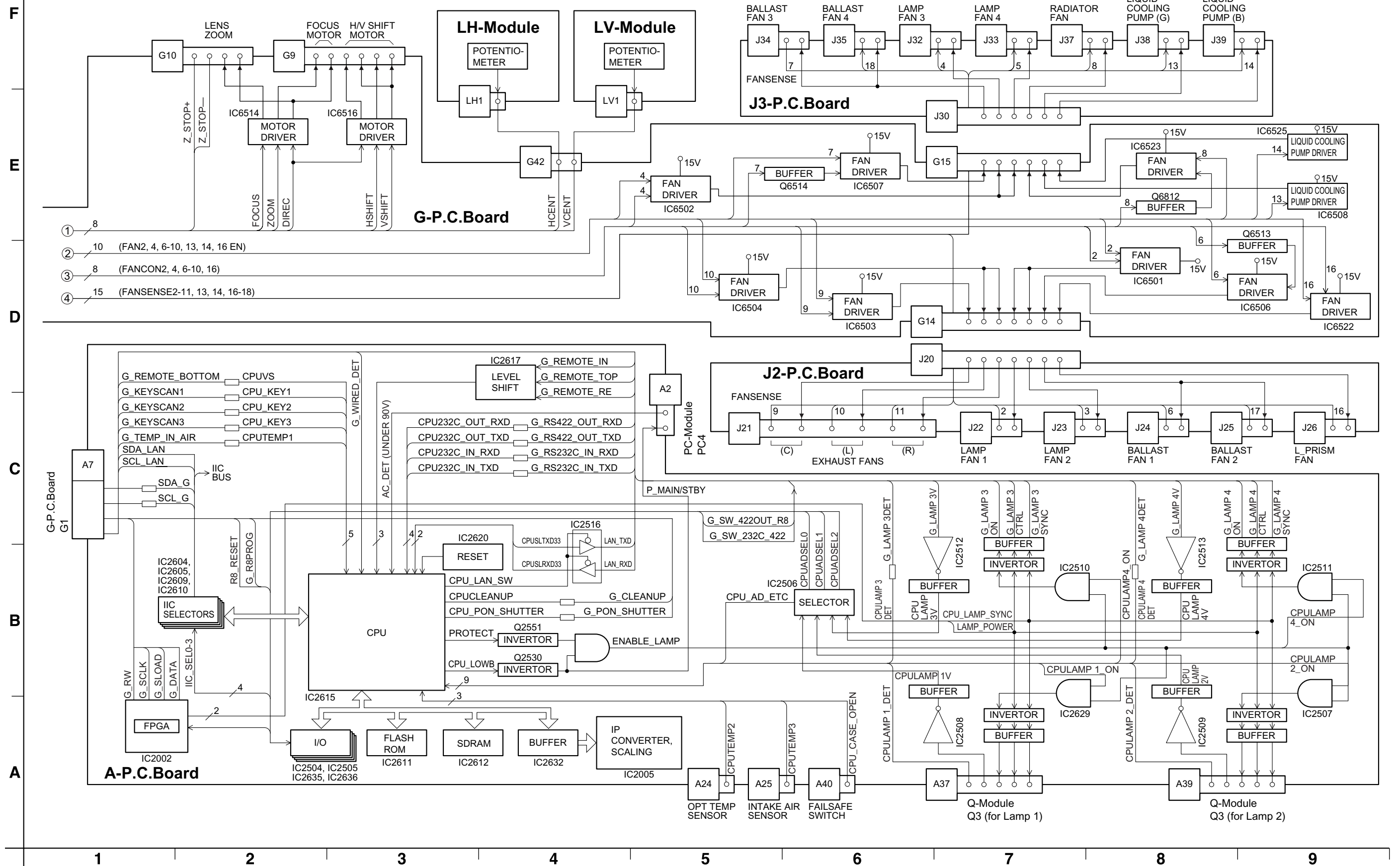


15.6. Control and Driving System (1/2)



15.7. Control and Driving System (2/2)

Control and Driving System (2/2)



16 Schematic Diagram

Schematic Diagram for Model PT-D10000U, PT-DW10000U

IMPORTANT SAFETY NOTICE
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-D10000E, PT-DW10000E

Important Safety Notice
Components identified by the international symbol  have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.

Notes:

1. **Resistor**

All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).

-  : Nonflammable
-  : Metal Oxide
-  : Solid
-  : Metal Film
-  : Wire Wound
-  : Fuse

2. **Capacitor**

-  : Temperature Compensation
-  : Electrolytic
-  : Polyester
-  : Bipolar
-  : Metalized Polyester
-  : Dipped Tantalum
-  : Polypropylene
-  : Z-Type

3. **Coil**

The unit of inductance is a H, unless otherwise noted.

4. **Test Point**

-  : Test Point

5. **Voltage Measurement**

The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.

6. **Color code for the links between diagrams and circuit boards**

From/To		To/From	Color code
Block diagram		Schematic diagram	Magenta
Schematic diagram		Schematic diagram	Green
Schematic diagram		Circuit boards	Yellow
Schematic diagram		Waveforms	Cyan (Light blue)

7. **HOT and COLD indications**

The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:

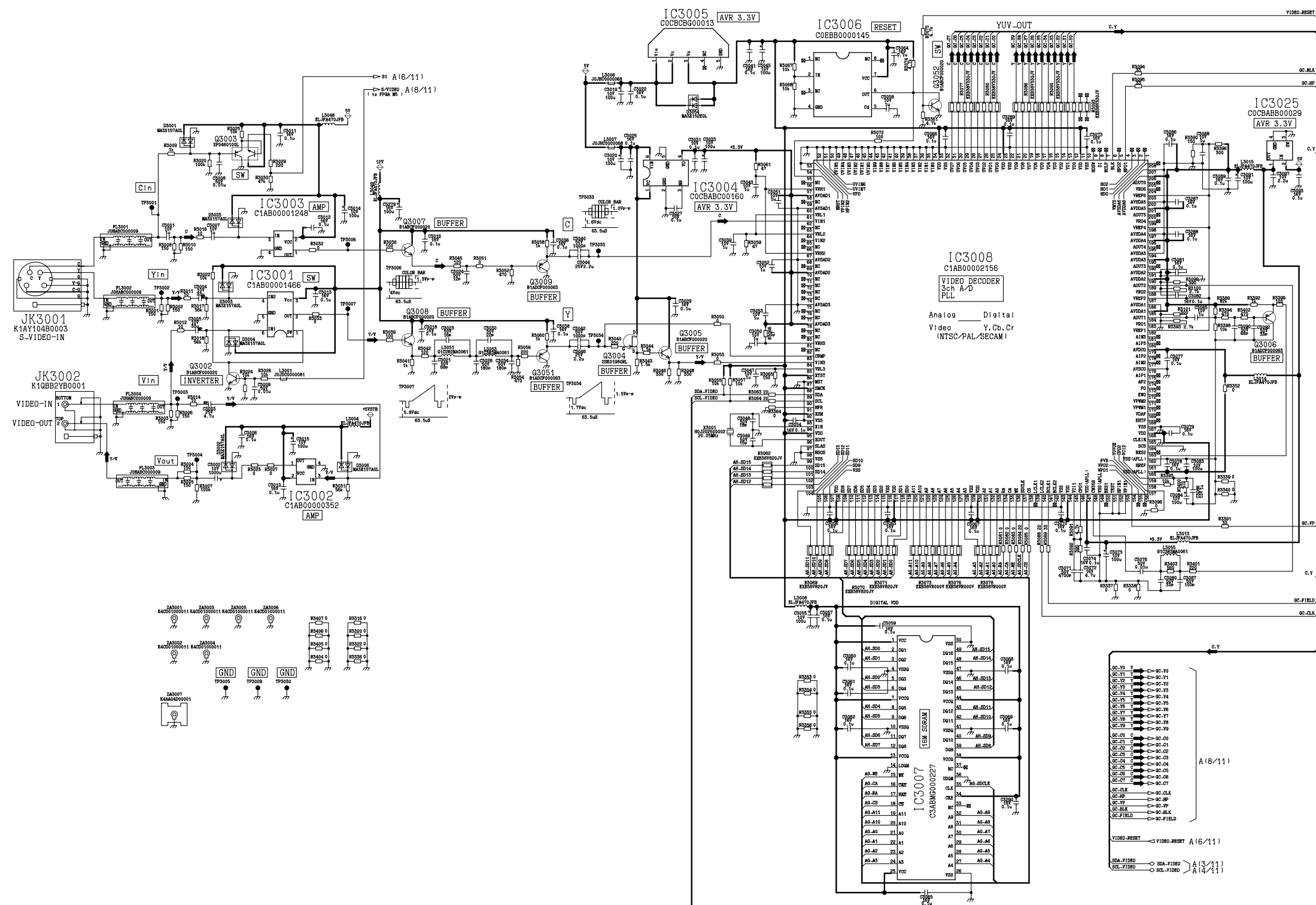
8. **This schematic diagram is the latest at the time of printing and the subject to change without notice.**

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow. Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

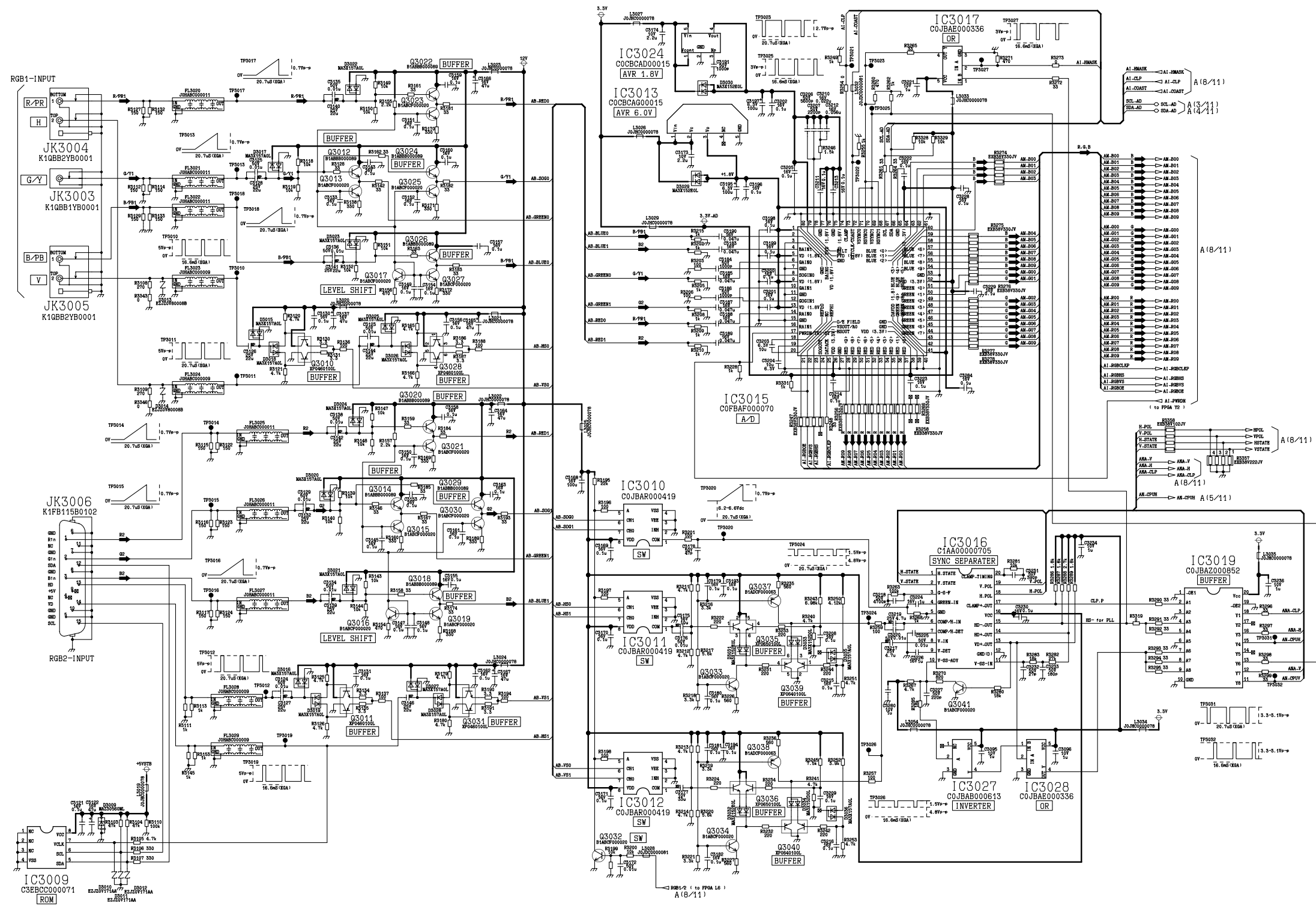
16.1. A-P.C.Board (1/11)

A-P.C.Board TXN/A1VKC8 (1/11)



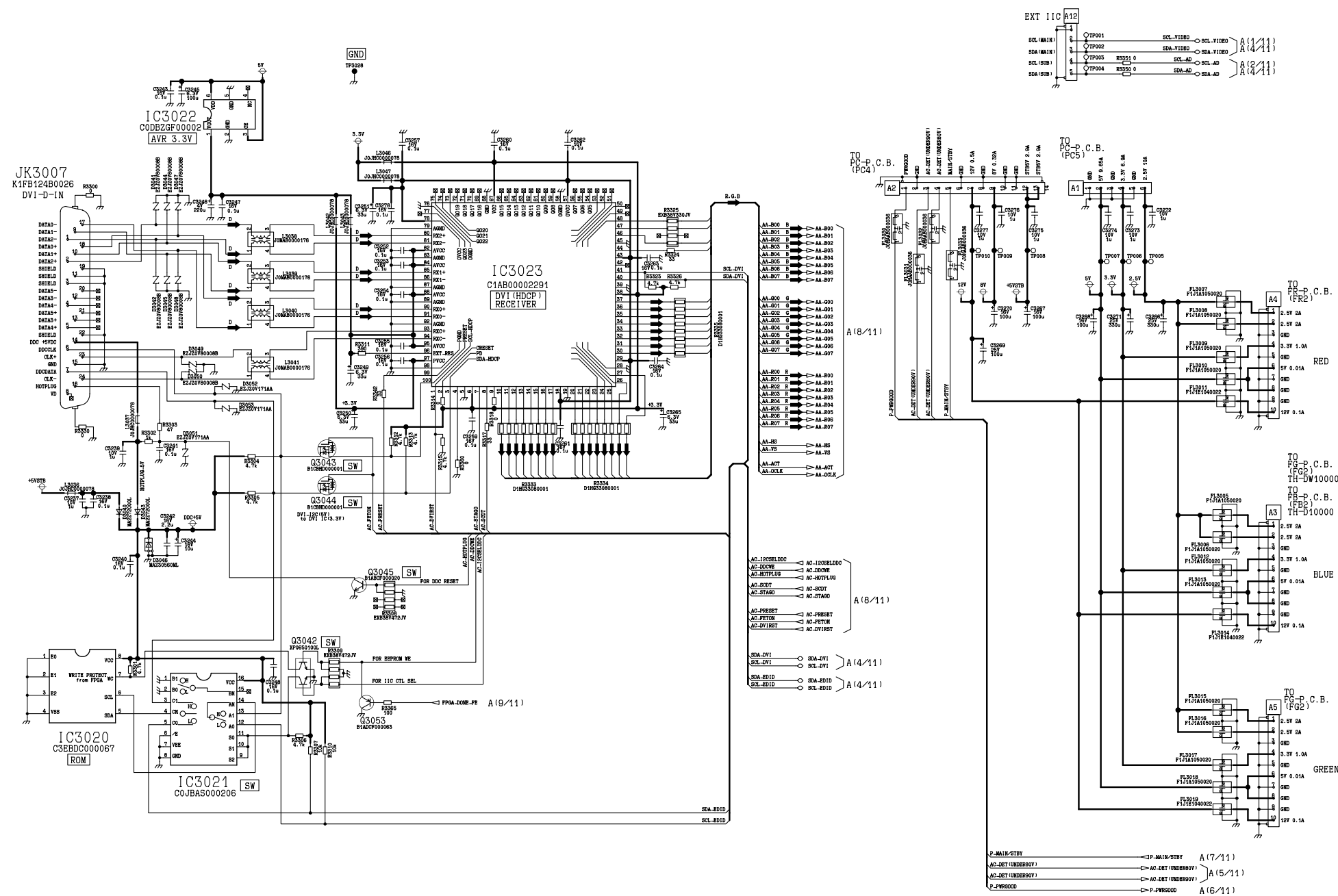
16.2. A-P.C.Board (2/11)

A-P.C.Board TXN/A1VKC8 (2/11)



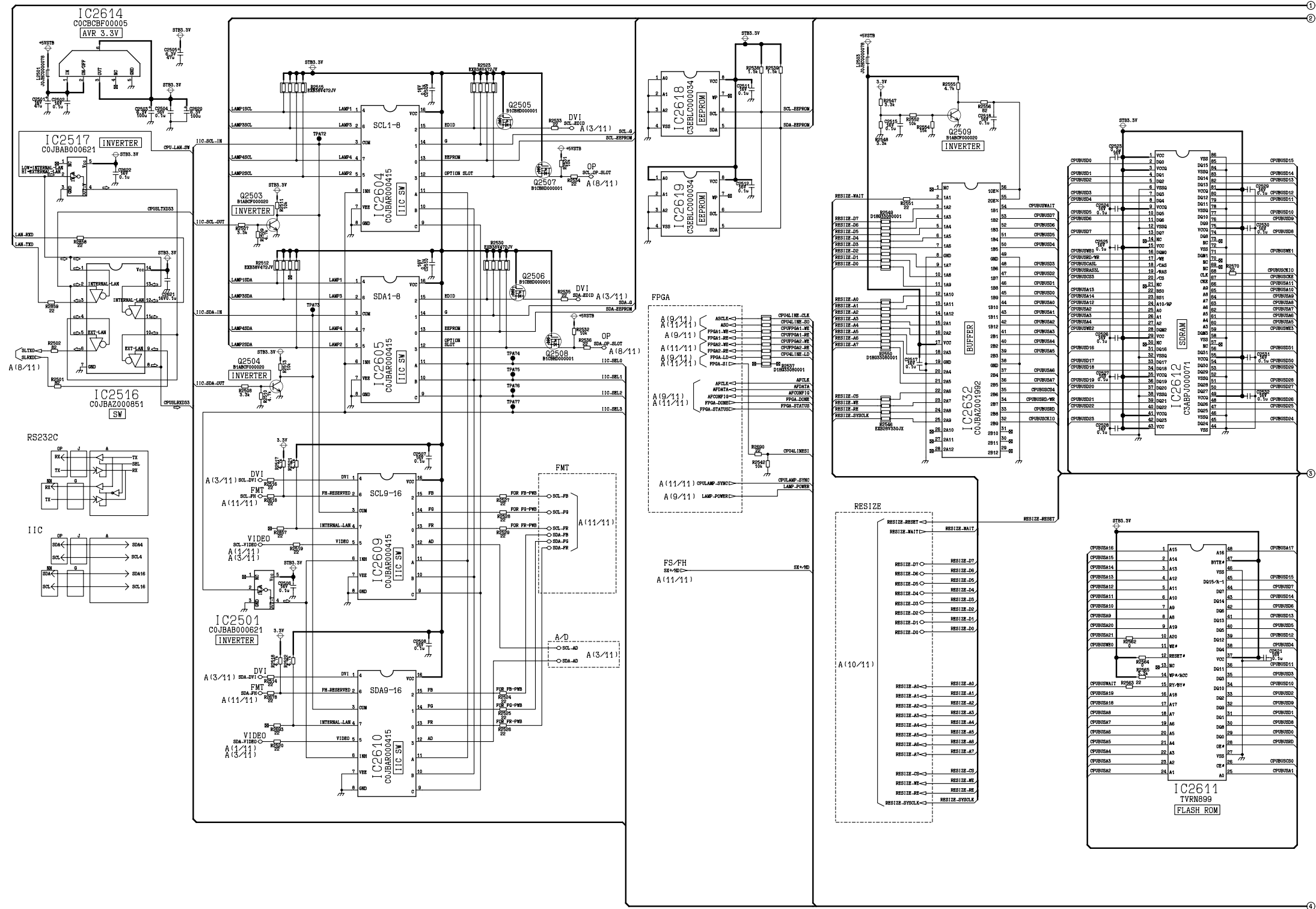
16.3. A-P.C.Board (3/11)

A-P.C.Board TXN/A1VKC8 (3/11)



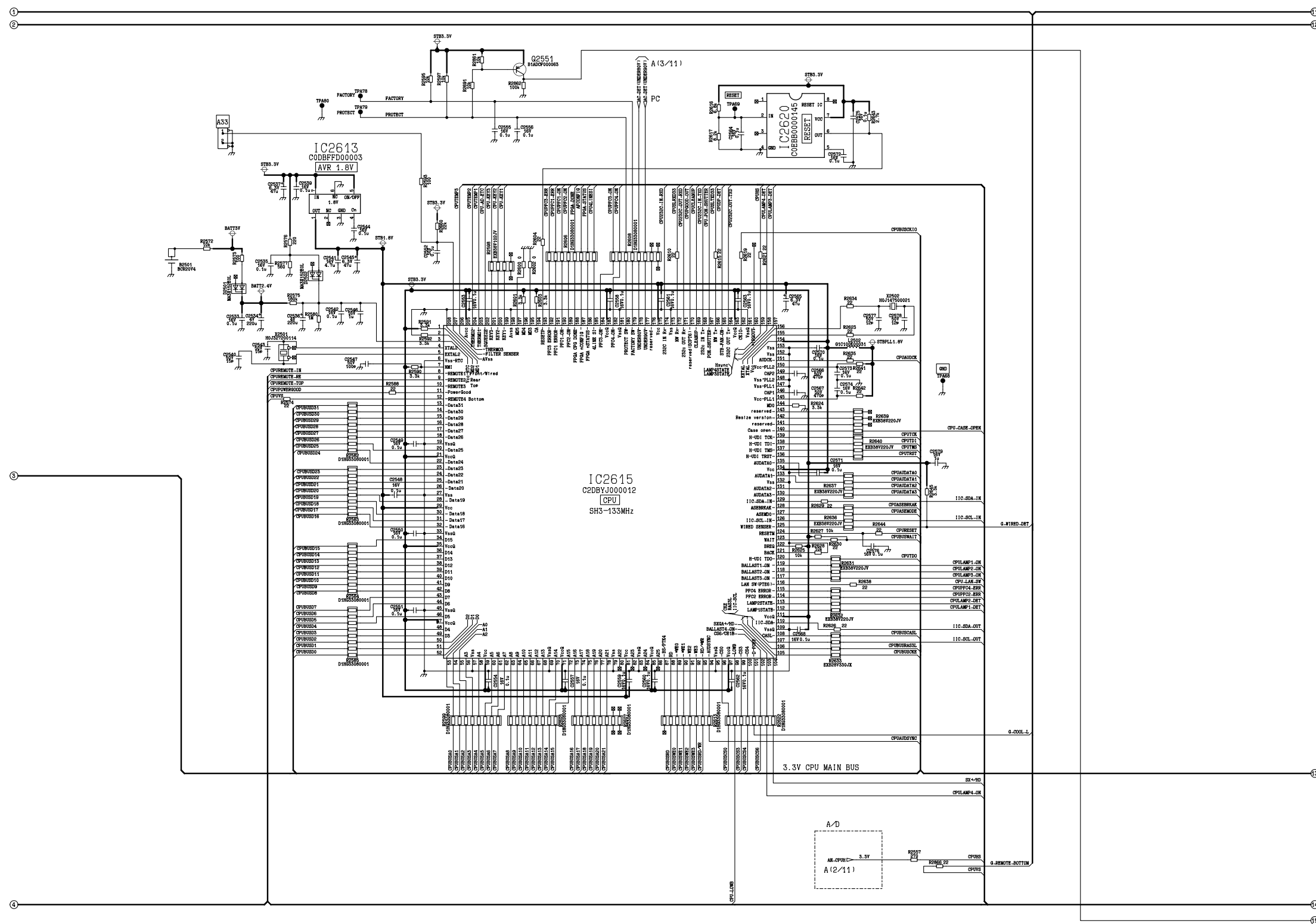
16.4. A-P.C.Board (4/11)

A-P.C.Board TXN/A1VKC8 (4/11)



16.5. A-P.C.Board (5/11)

A-P.C.Board TXN/A1VKC8 (5/11)



F

E

D

C

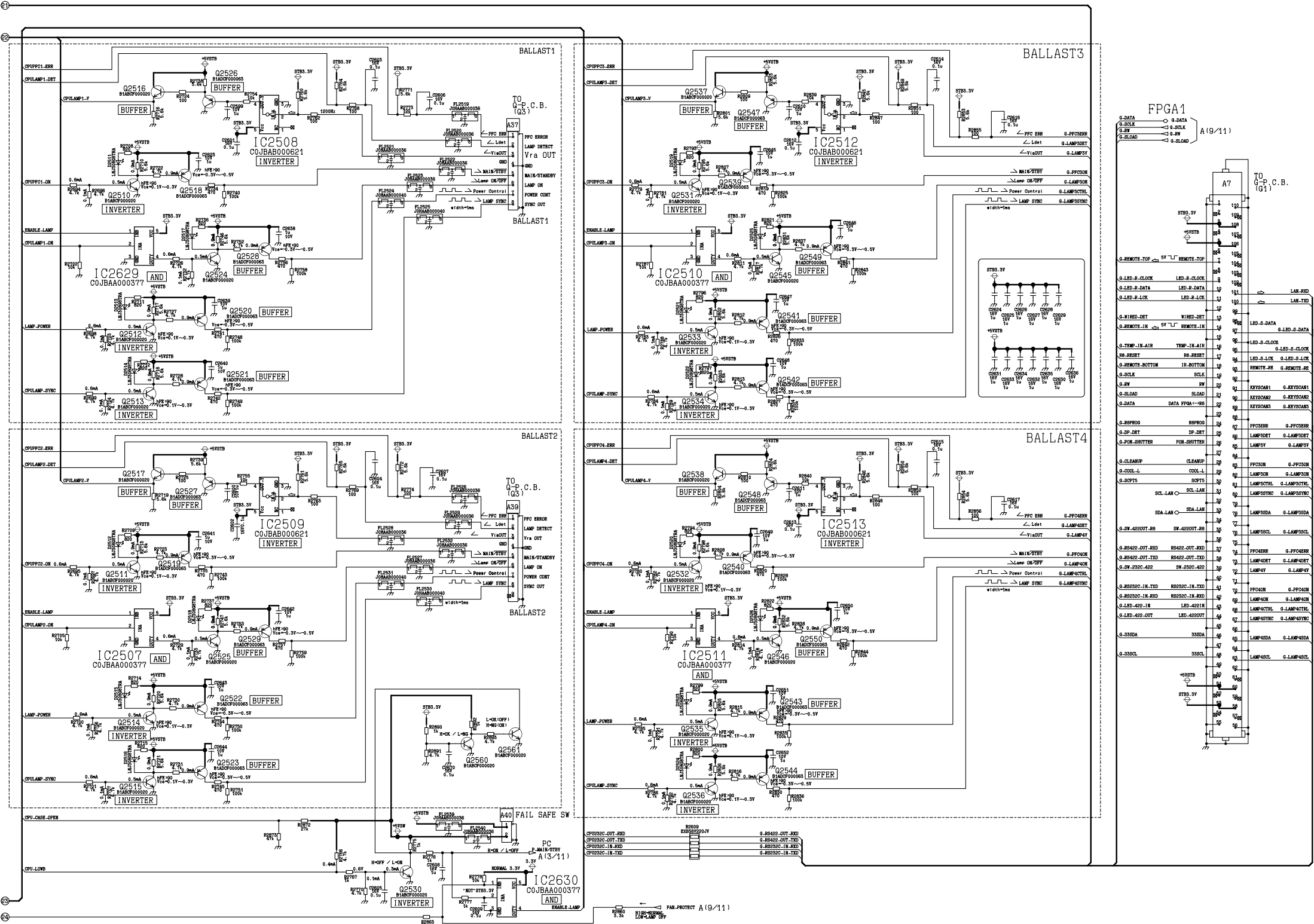
B

A



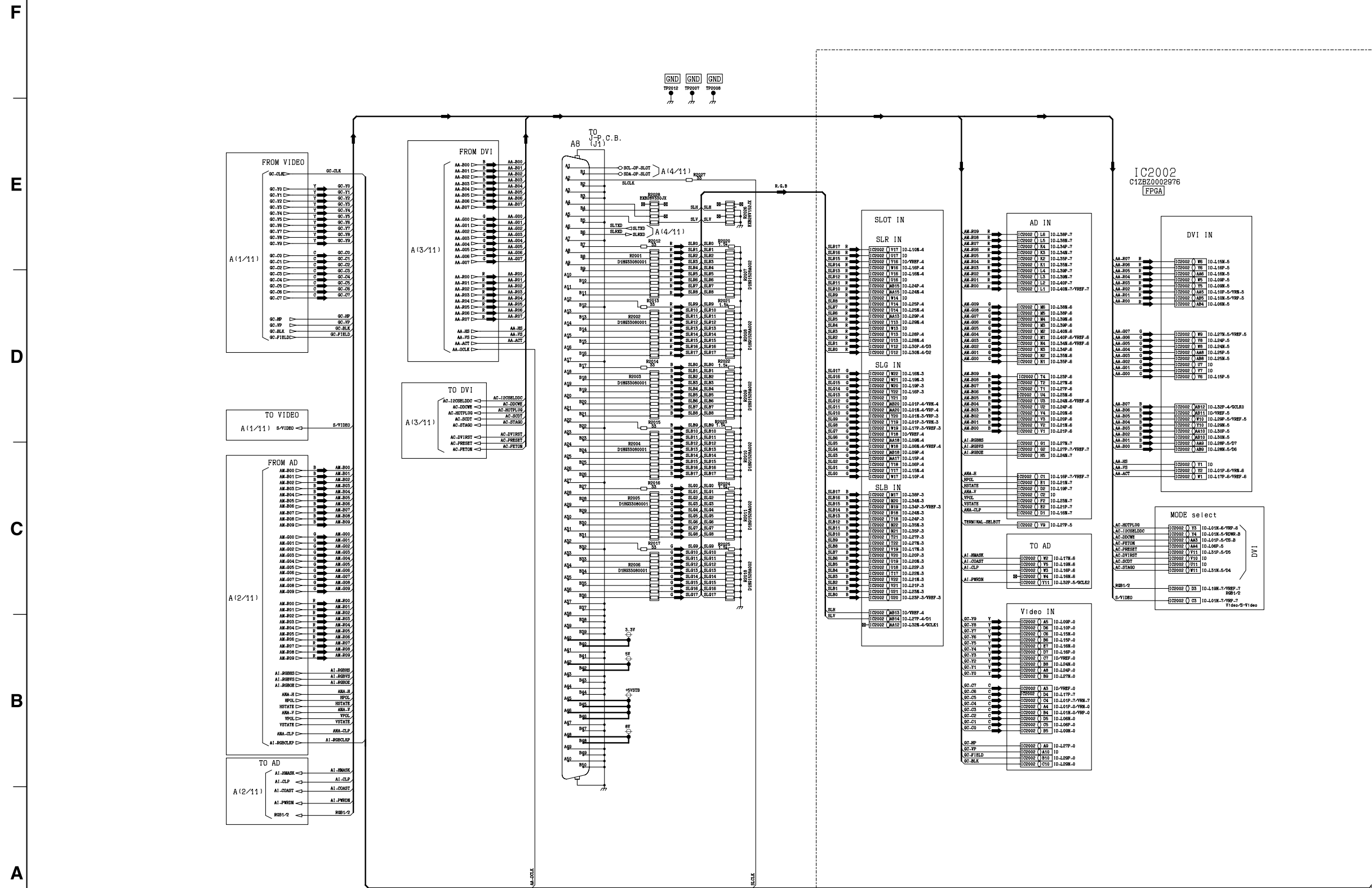
16.7. A-P.C.Board (7/11)

A-P.C.Board TXN/A1VKC8 (7/11)



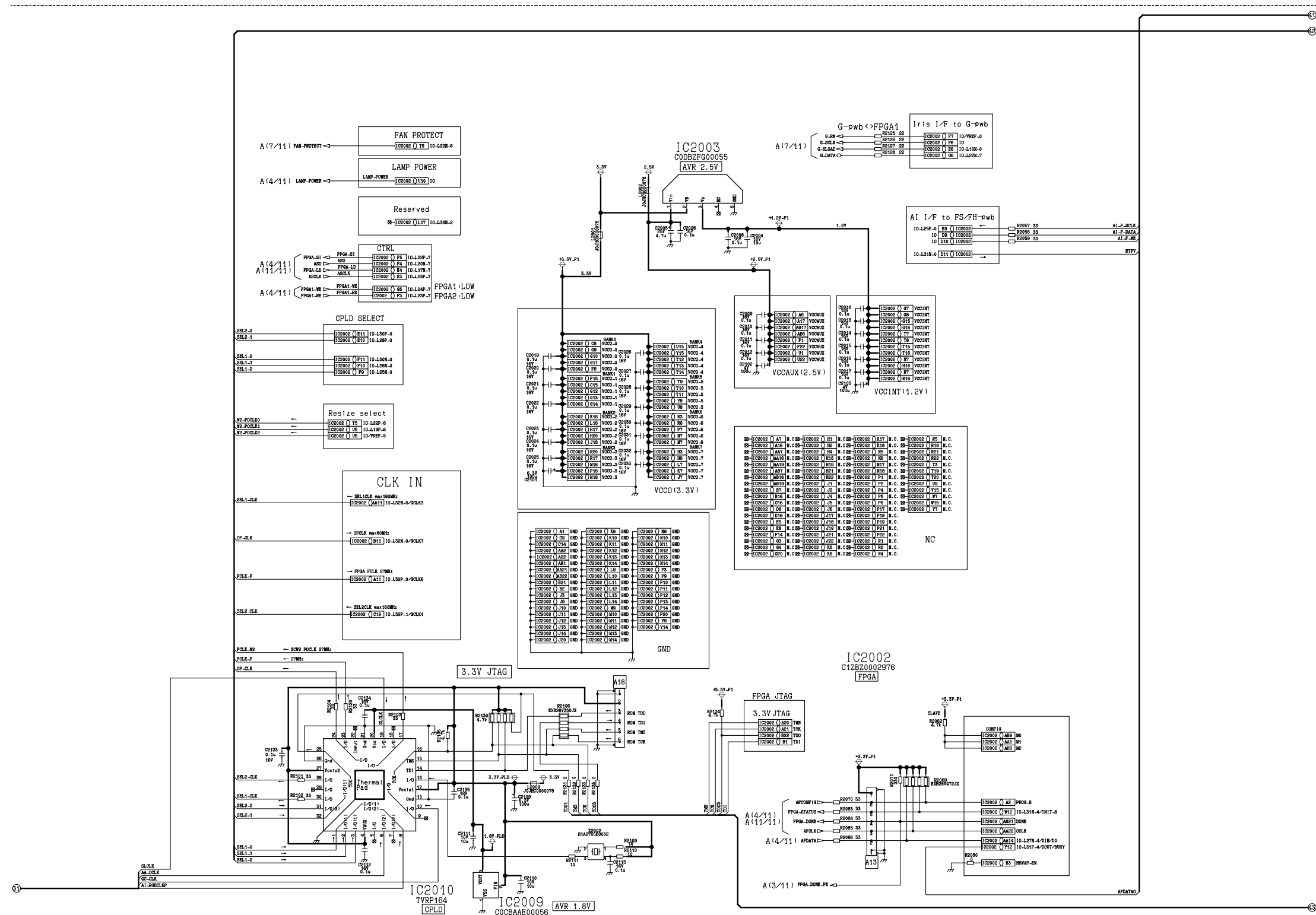
16.8. A-P.C.Board (8/11)

A-P.C.Board TXN/A1VKC8 (8/11)



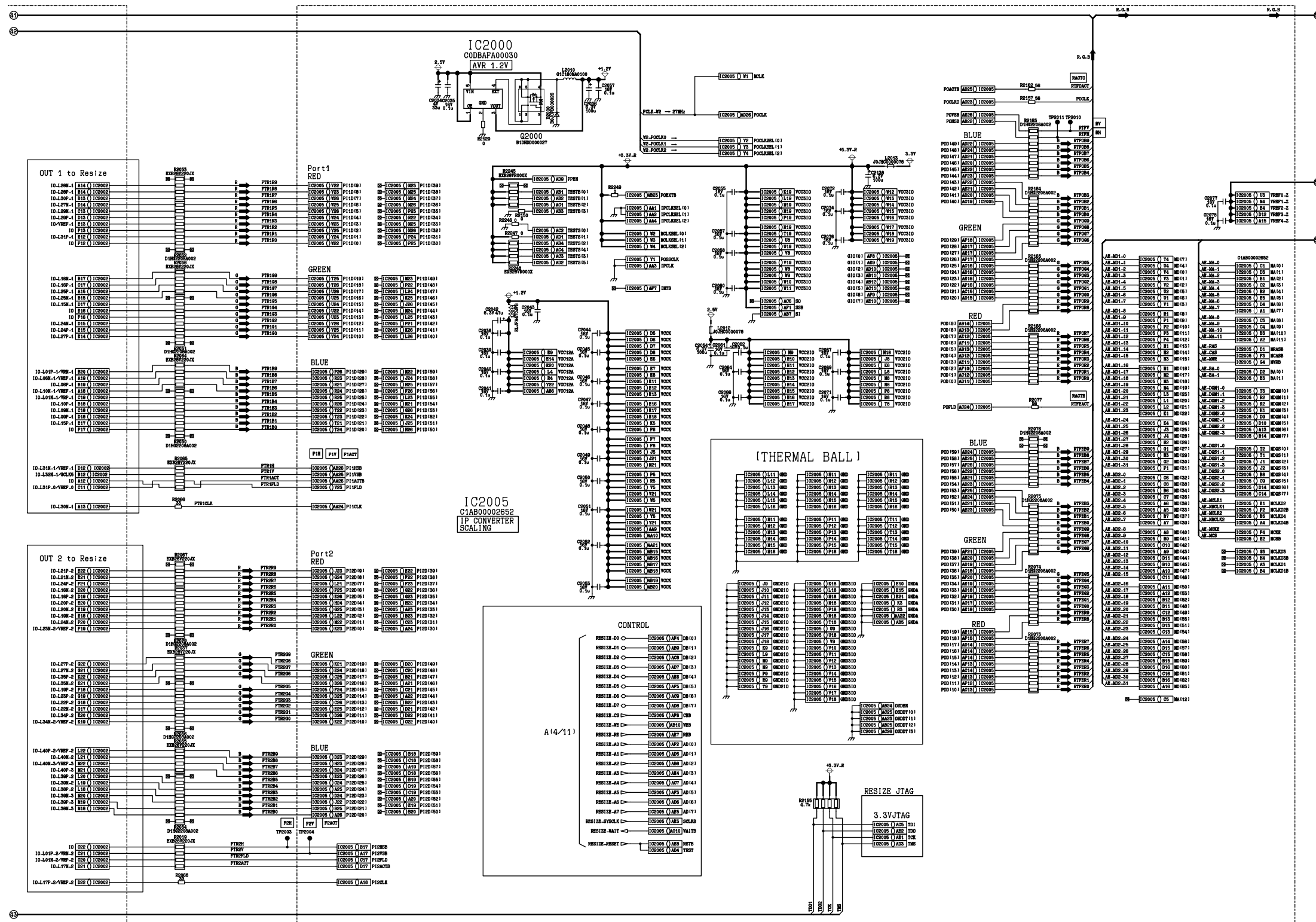
16.9. A-P.C.Board (9/11)

A-P.C.Board TXN/A1VKC8 (9/11)



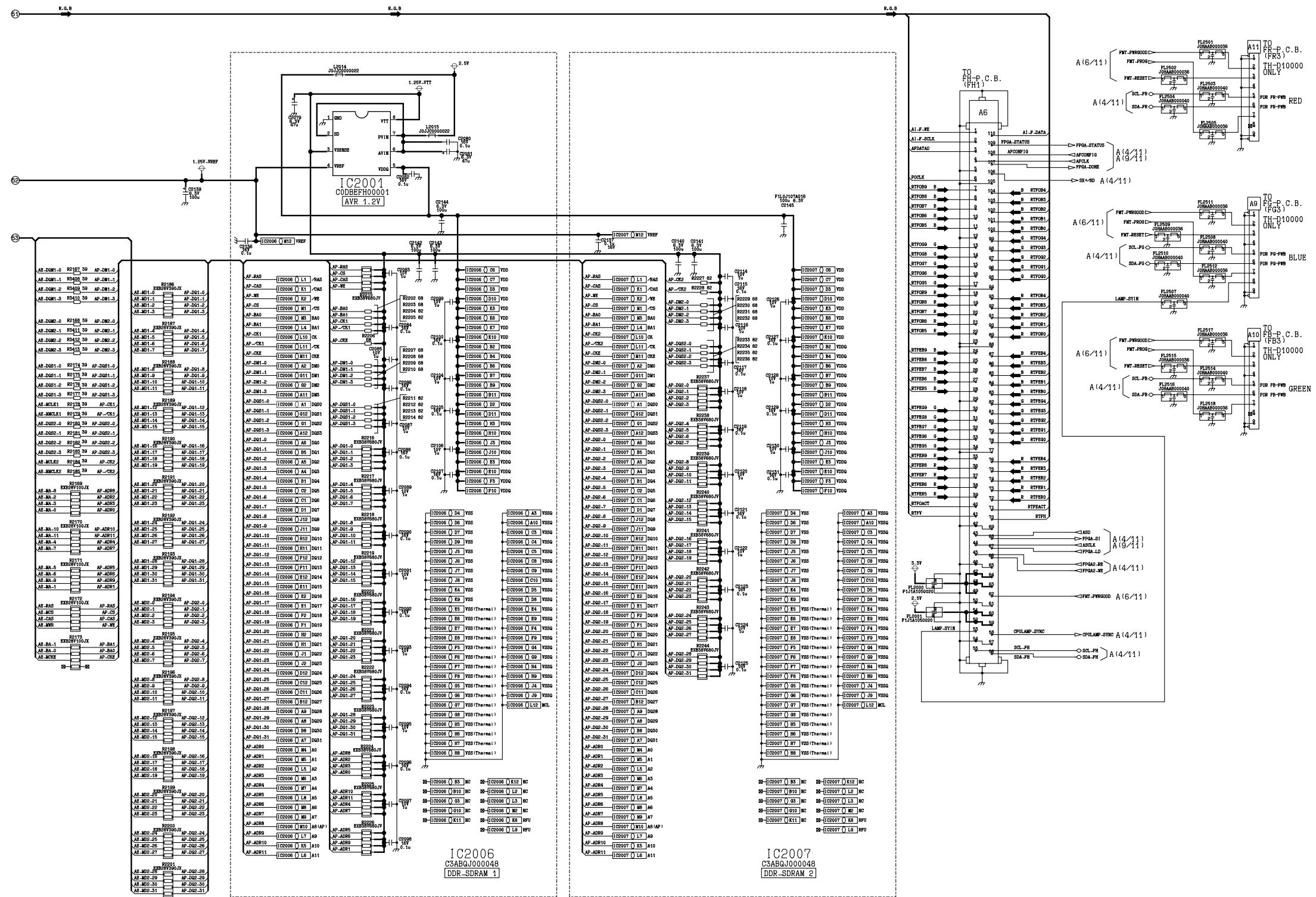
16.10. A-P.C.Board (10/11)

A-P.C.Board TXN/A1VKC8 (10/11)



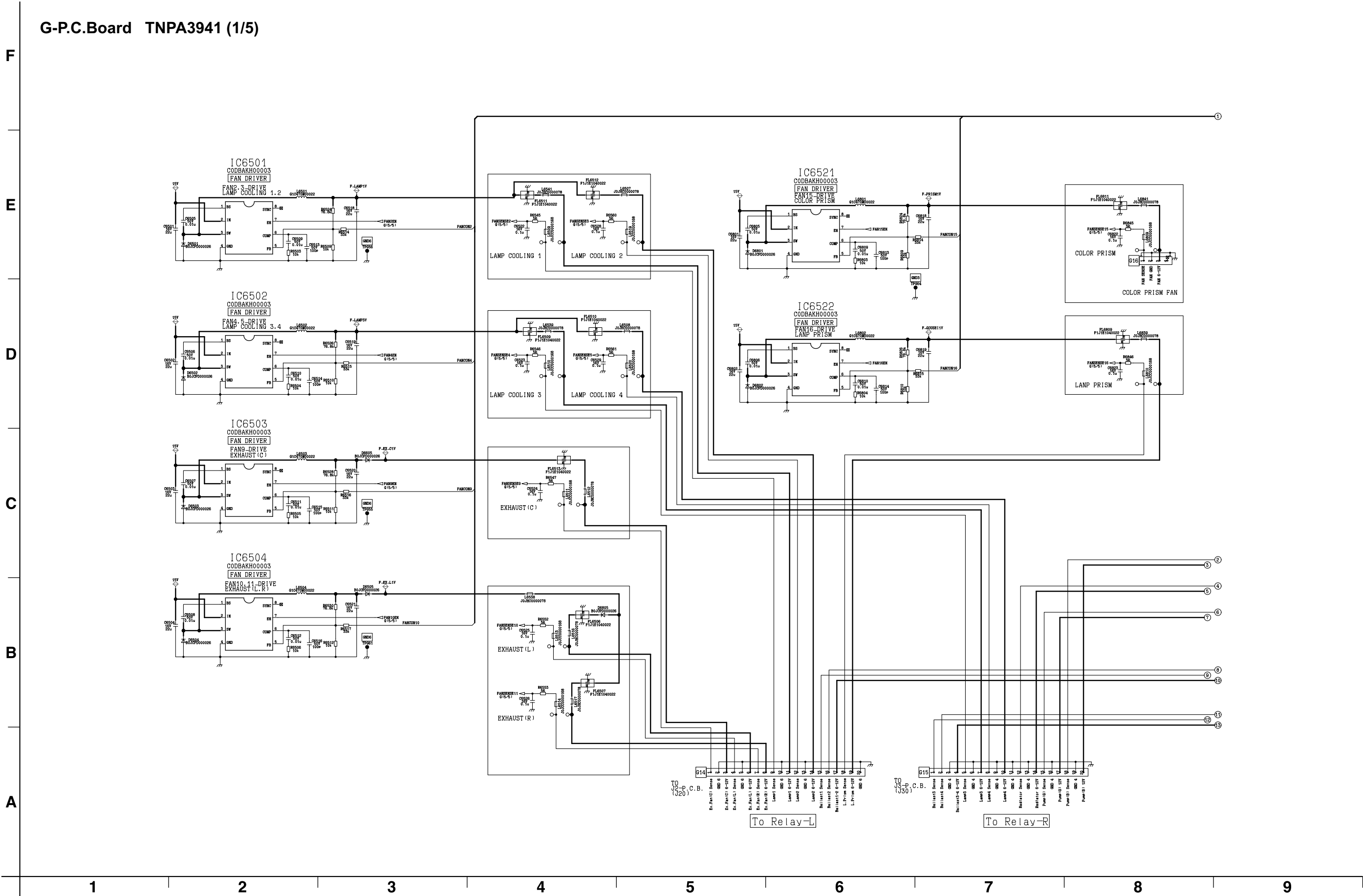
16.11. A-P.C.Board (11/11)

A-P.C.Board TXN/A1VKC8 (11/11)



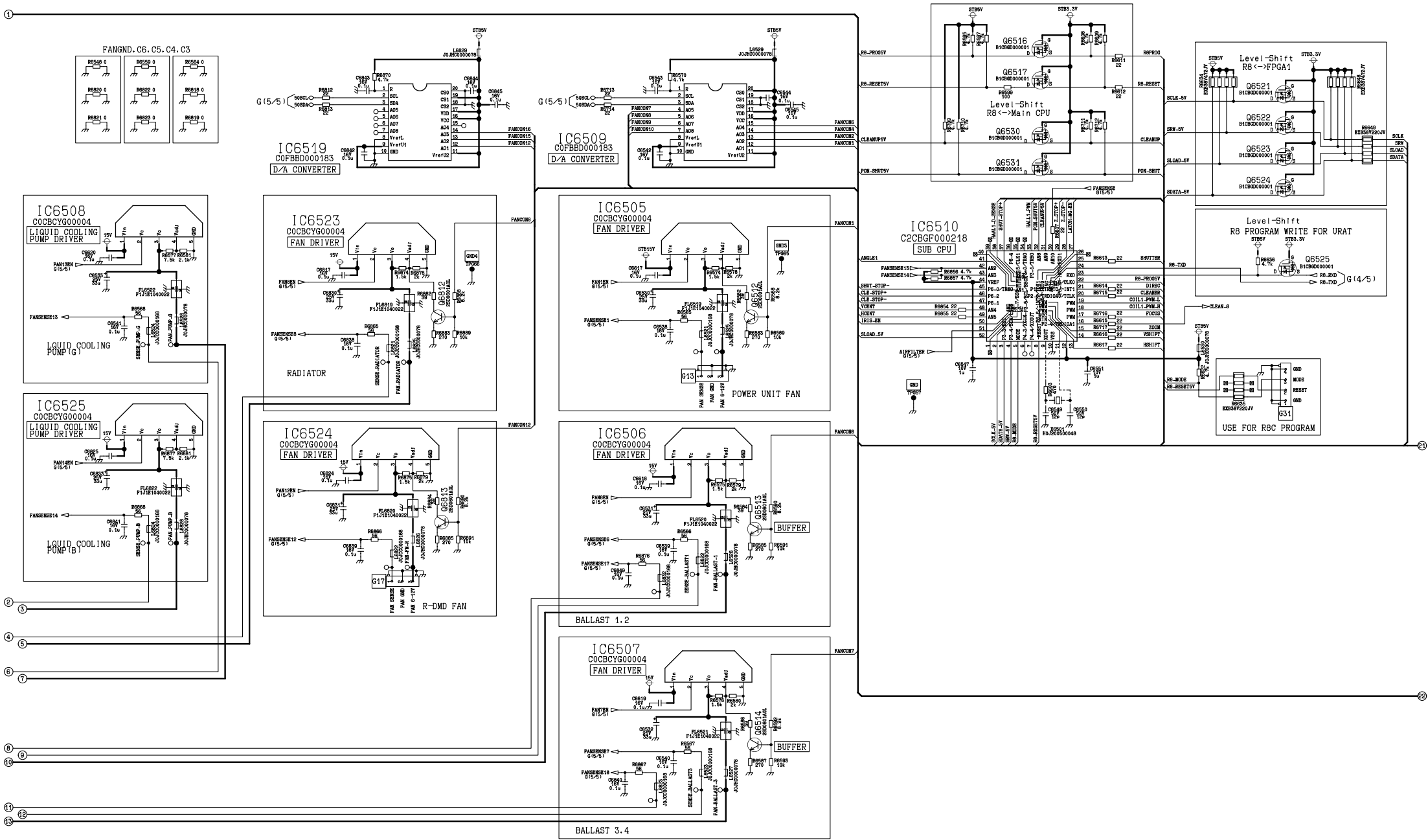
16.12. G-P.C.Board (1/5)

G-P.C.Board TNPA3941 (1/5)



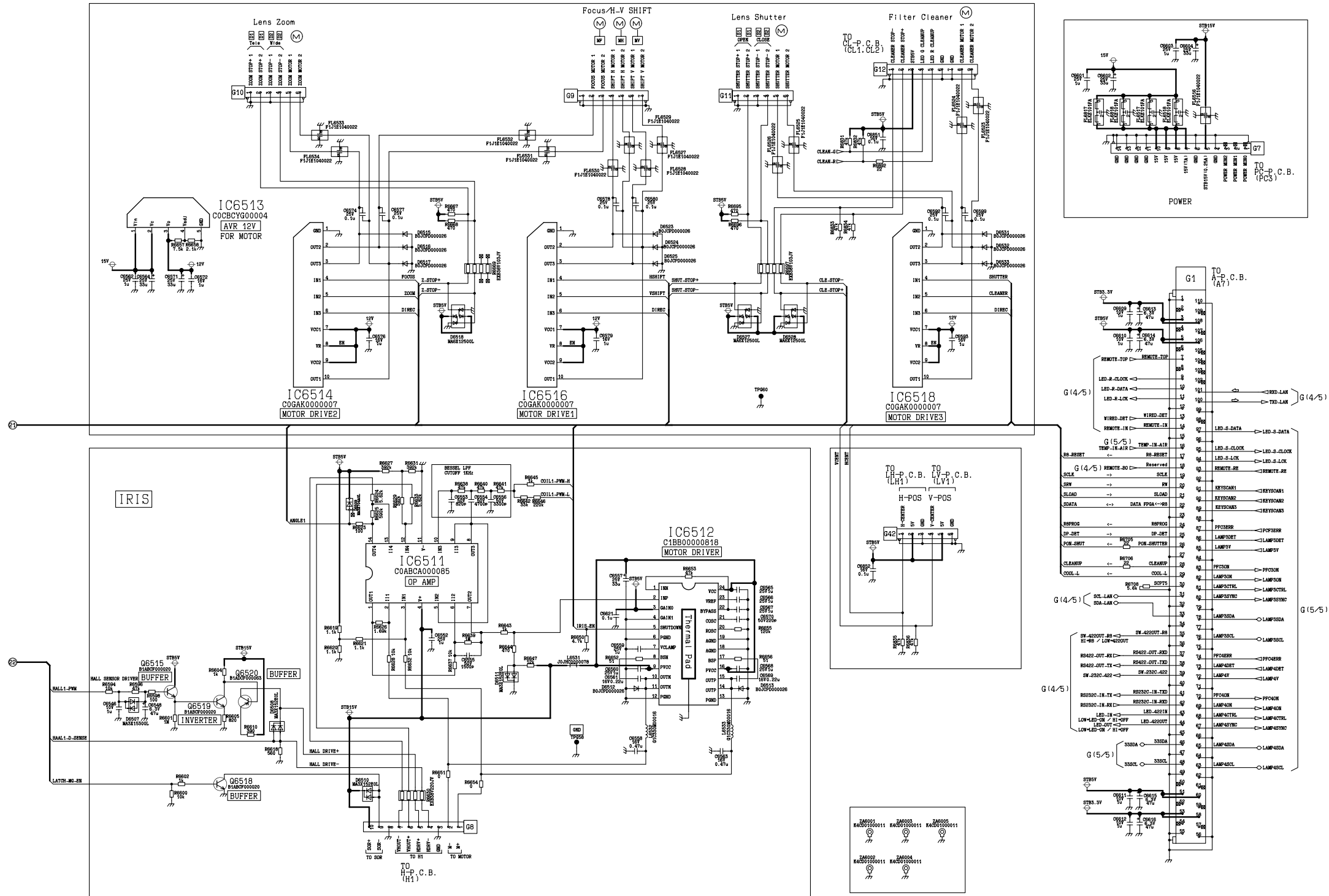
16.13. G-P.C.Board (2/5)

G-P.C.Board TNPA3941 (2/5)



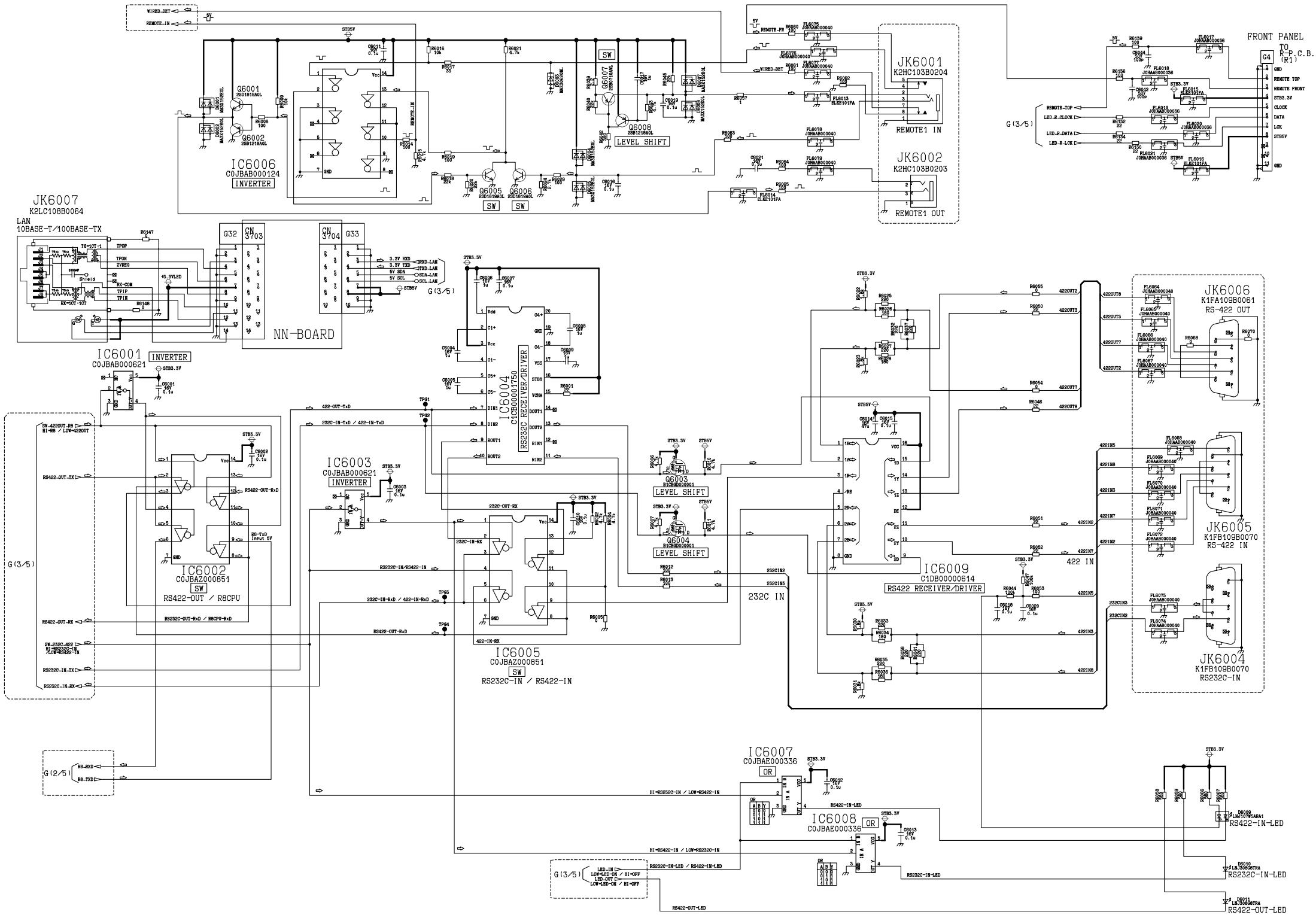
16.14. G-P.C.Board (3/5)

G-P.C.Board TNPA3941 (3/5)



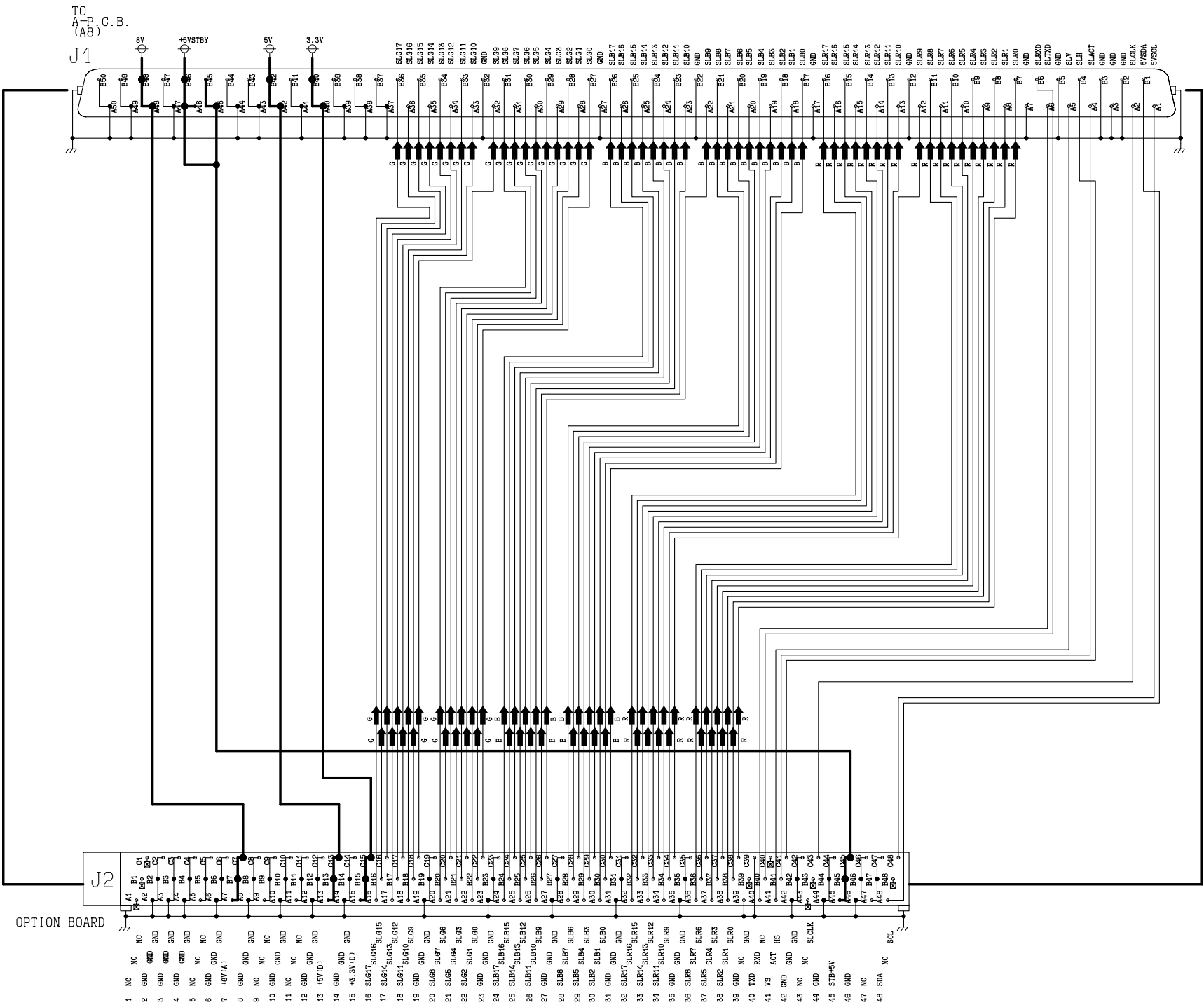
16.15. G-P.C.Board (4/5)

G-P.C.Board TNPA3941 (4/5)



16.17. J-P.C.Board

J-P.C.Board TNPA3940



16.18. J2/J3/L1/L2/L3/L4-P.C.Board

F

E

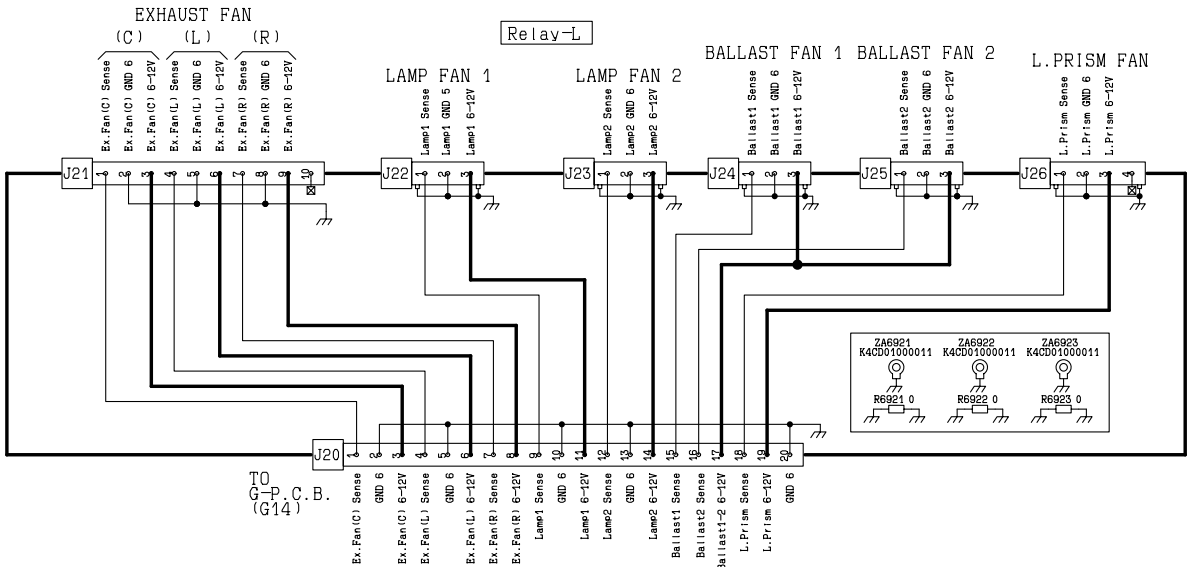
D

C

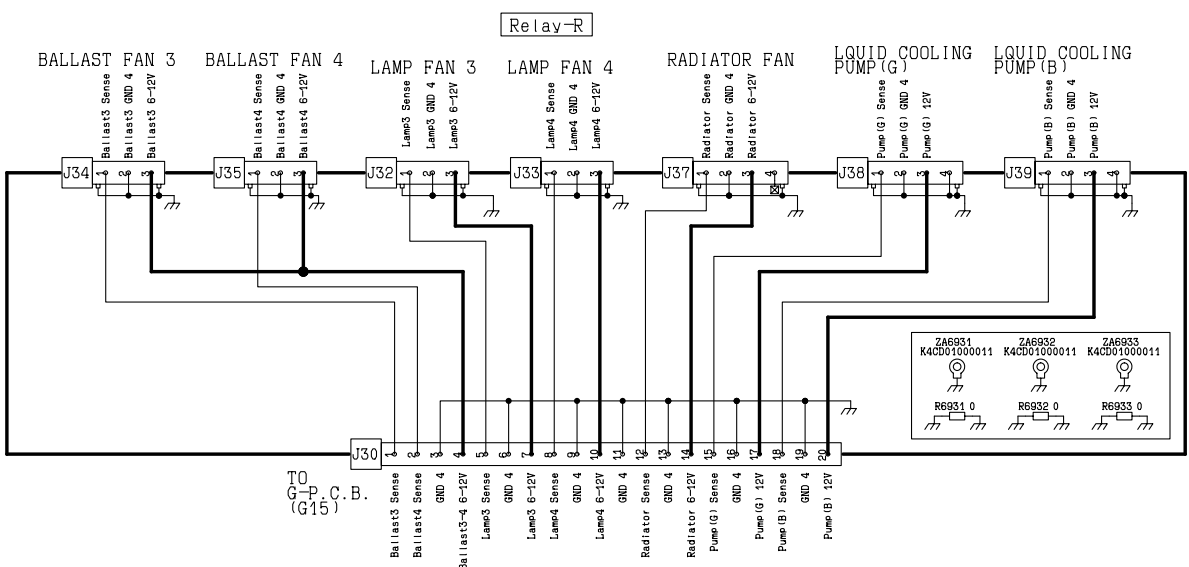
B

A

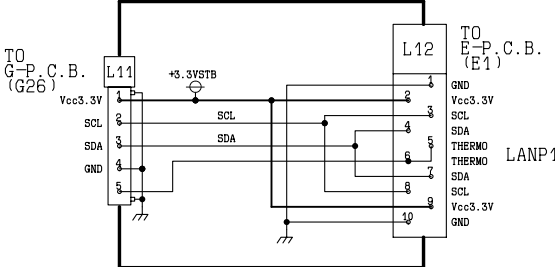
J2-P.C.Board TNPA4122



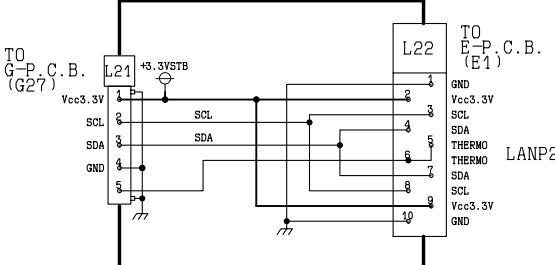
J3-P.C.Board TNPA4123



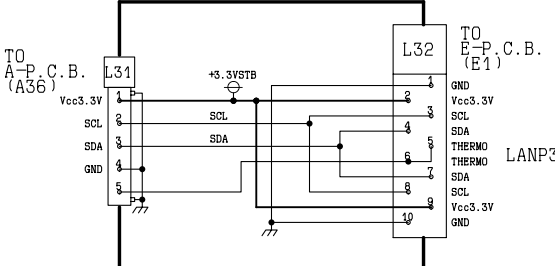
L1-P.C.Board TNPA3946



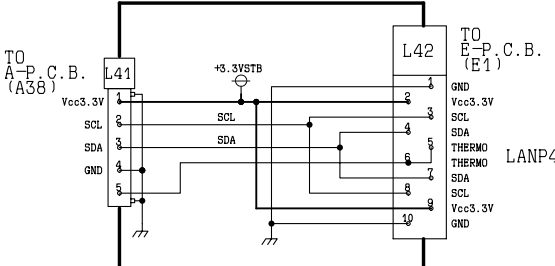
L2-P.C.Board TNPA3947



L3-P.C.Board TNPA3948



L4-P.C.Board TNPA3949



16.19. R/R2/R3/SL/CL-P.C.Board

F

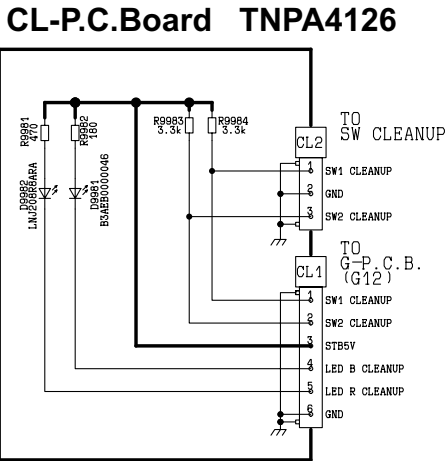
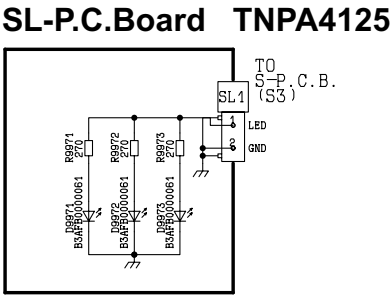
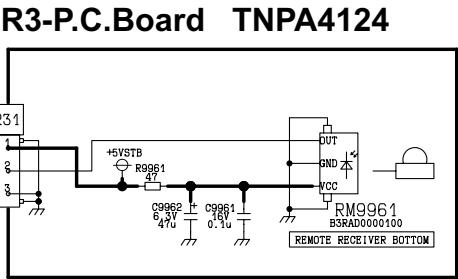
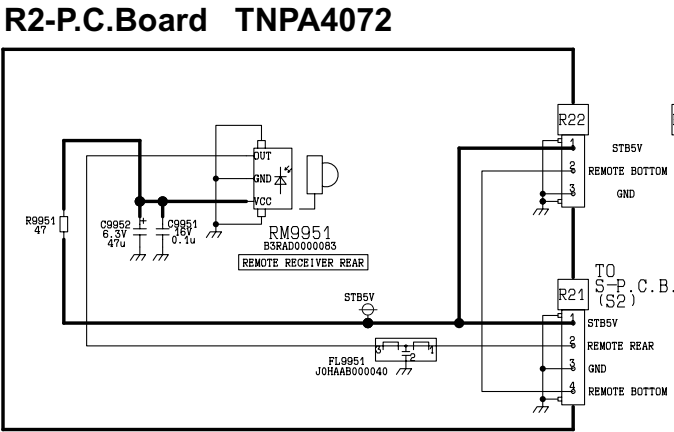
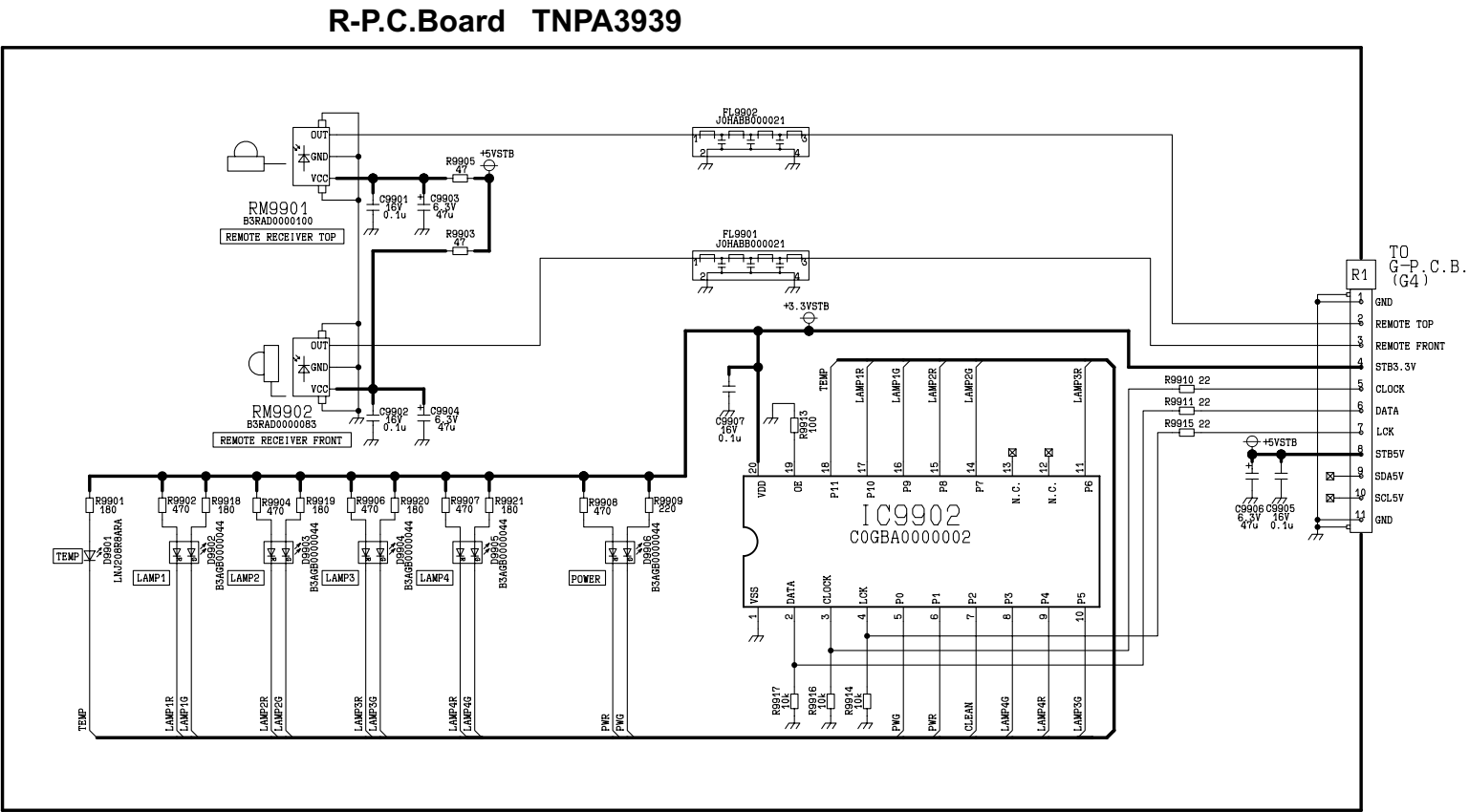
E

D

C

B

A



1

2

3

4

5

6

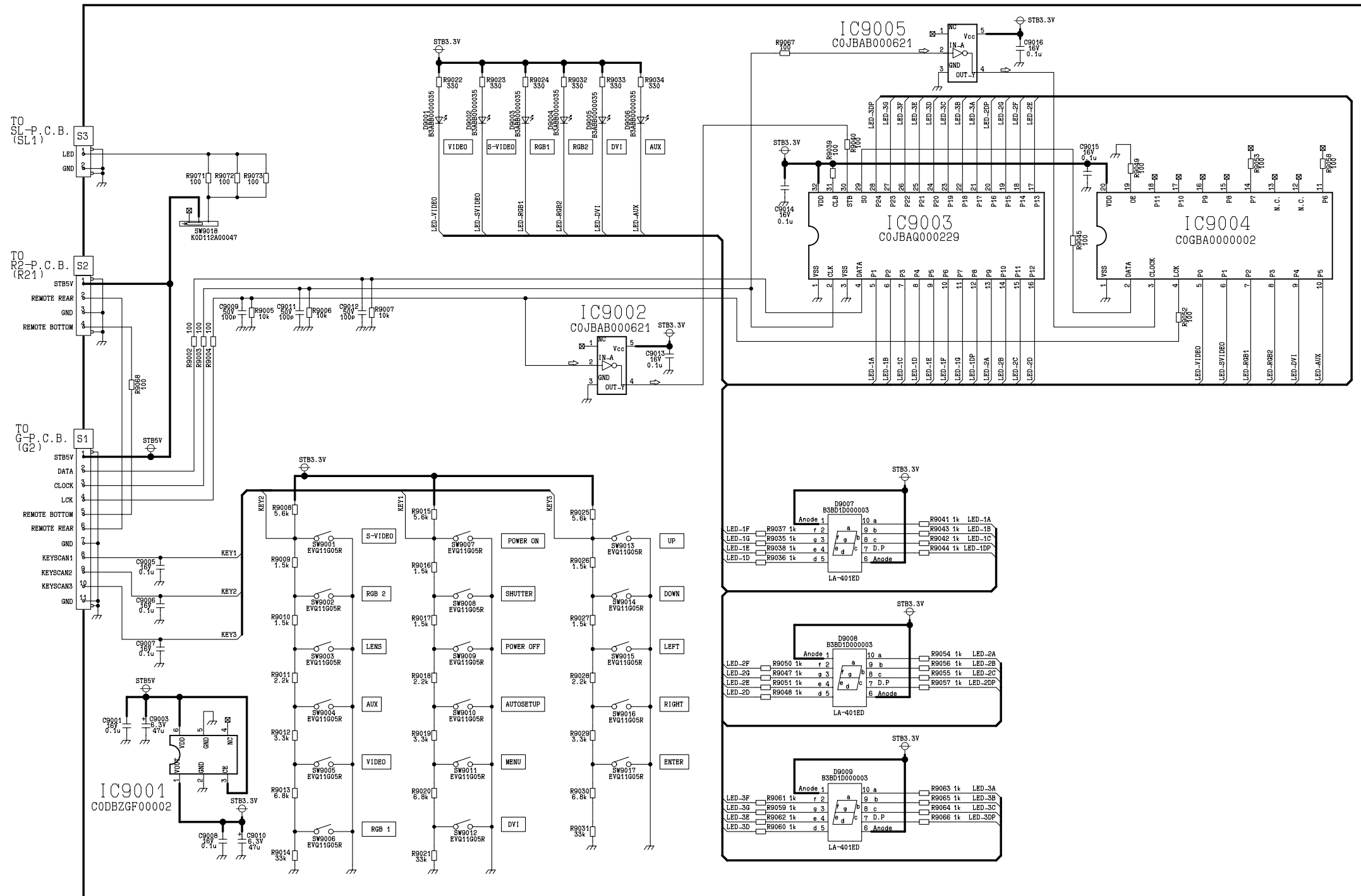
7

8

9

16.20. S-P.C.Board

S-P.C.Board TNPA3938

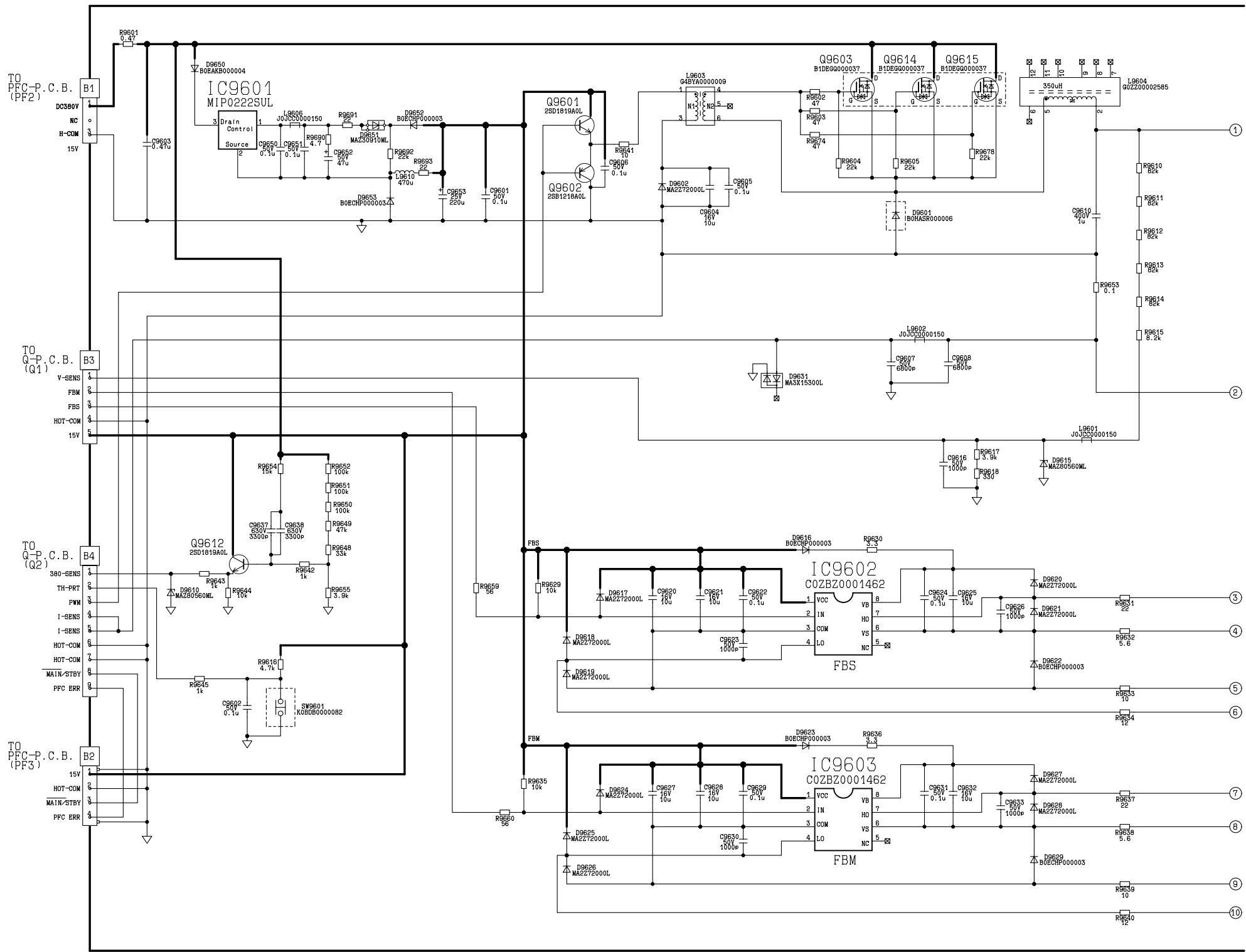


16.21. B-Module (1/2)

B-Module TXN/B1VKC8 (1/2)

Module Replacement

Only supplied components IC9601-03, Q9601-12 Q9614-15, D9601-2, D9604-09, D9611-14, D9616-29, D9650-53, R9601, R9630-34, R9636-40, R9653, R9693, C9603, C9610, C9617-19, T9604, S9602, TXJ/L2VKC8

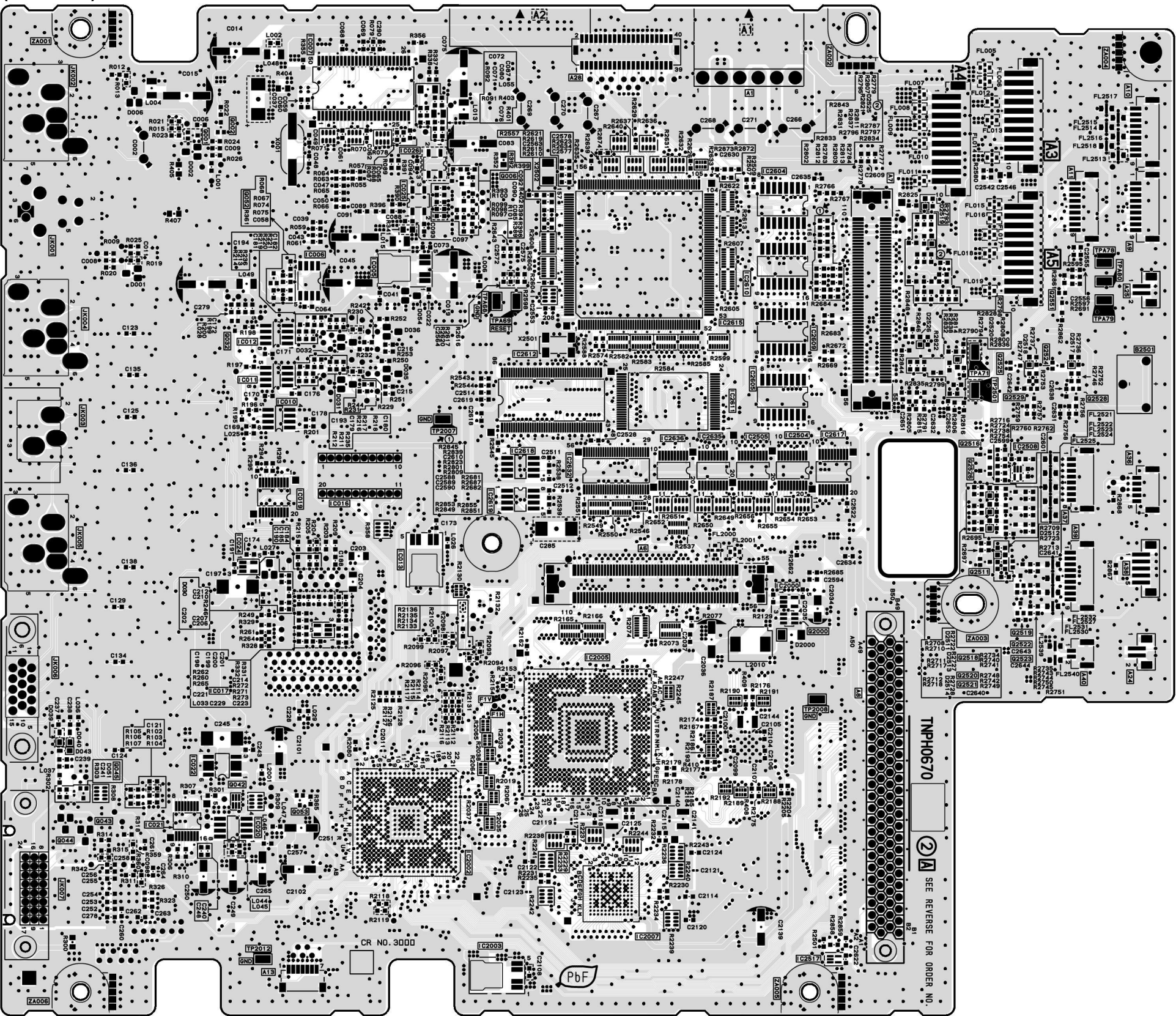


17 Circuit Boards

17.1. A-P.C.Board (Foil Side)

A-P.C.Board TXN/A1VKC8
(Foil Side)

F
E
D
C
B
A

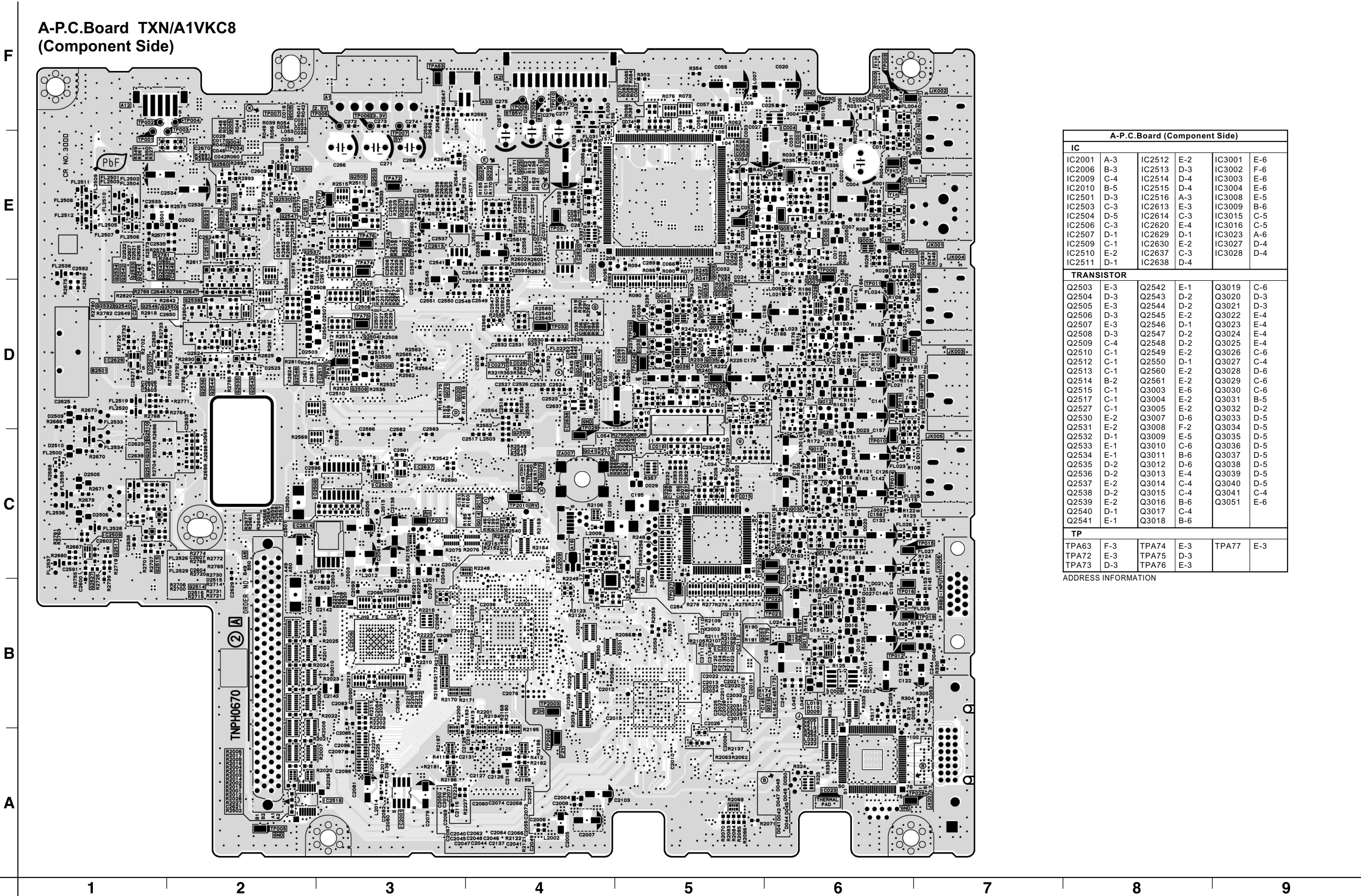


A-P.C.Board (Foil Side)					
IC					
IC2000	C-5	IC2611	D-4	IC3010	D-2
IC2002	B-3	IC2612	D-4	IC3011	D-2
IC2003	A-3	IC2615	E-4	IC3012	D-2
IC2005	B-4	IC2617	D-5	IC3013	C-3
IC2007	A-4	IC2618	D-3	IC3017	B-2
IC2505	D-5	IC2619	C-3	IC3019	C-2
IC2508	D-6	IC2632	D-4	IC3020	B-2
IC2517	A-5	IC2635	D-4	IC3021	B-2
IC2604	E-5	IC2636	D-4	IC3022	B-2
IC2605	D-5	IC3005	E-3	IC3024	C-2
IC2609	D-5	IC3006	E-2	IC3025	E-3
IC2610	E-5	IC3007	F-2		
TRANSISTOR					
Q2000	C-5	Q2523	C-6	Q3006	E-3
Q2511	C-6	Q2524	D-6	Q3042	B-2
Q2516	D-6	Q2525	D-6	Q3043	B-1
Q2518	C-6	Q2526	D-6	Q3044	B-1
Q2519	C-6	Q2528	D-6	Q3045	B-1
Q2520	C-6	Q2529	D-6	Q3052	E-2
Q2521	C-6	Q2551	D-6		
Q2522	C-6	Q3002	E-2		
TP					
TPA68	D-3	TPA71	D-6	TPA79	E-7
TPA69	D-3	TPA78	E-7	TPA80	E-7
ADDRESS INFORMATION					

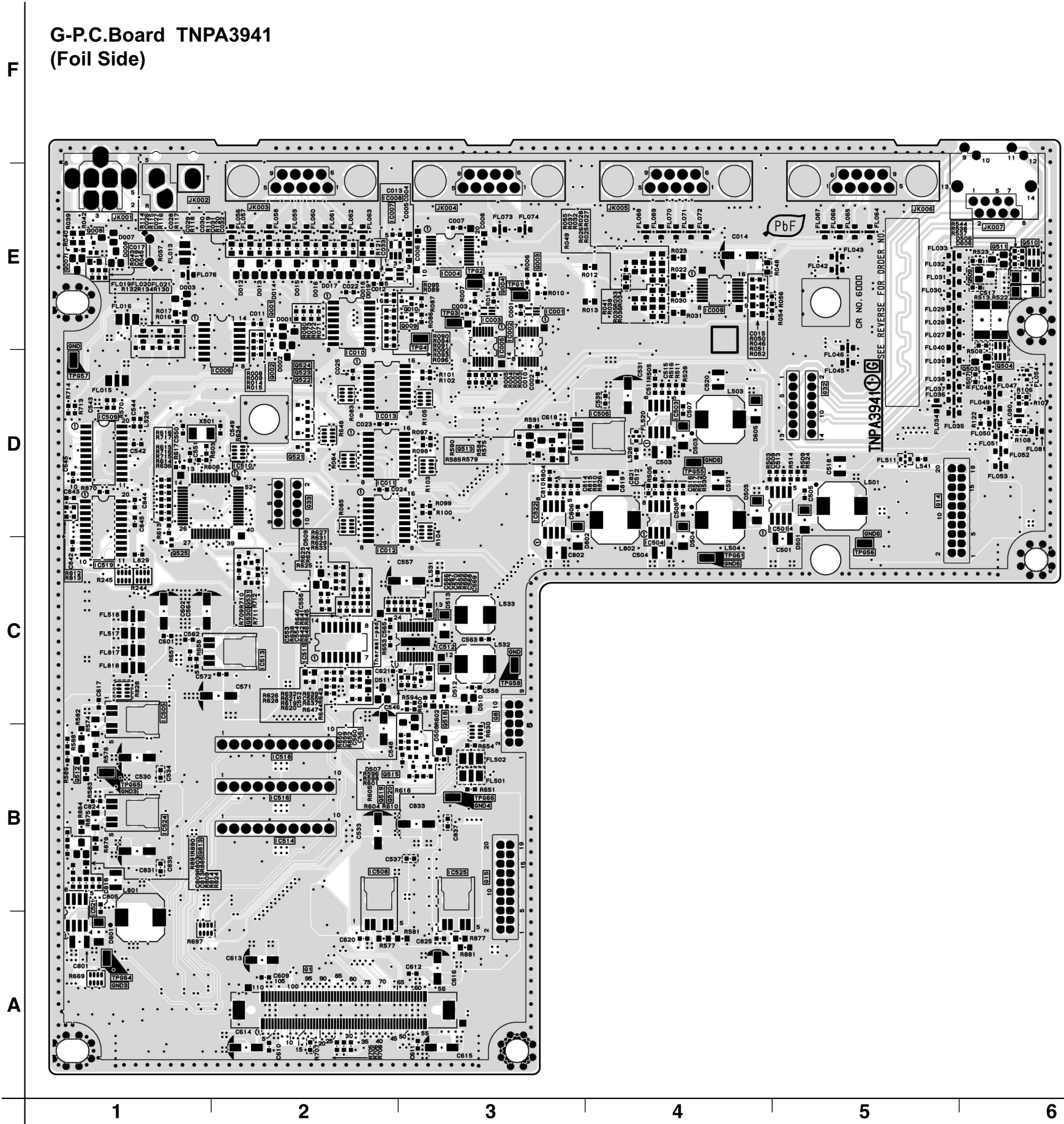
ADDRESS INFORMATION

1 2 3 4 5 6 7 8 9

17.2. A-P.C.Board (Component Side)



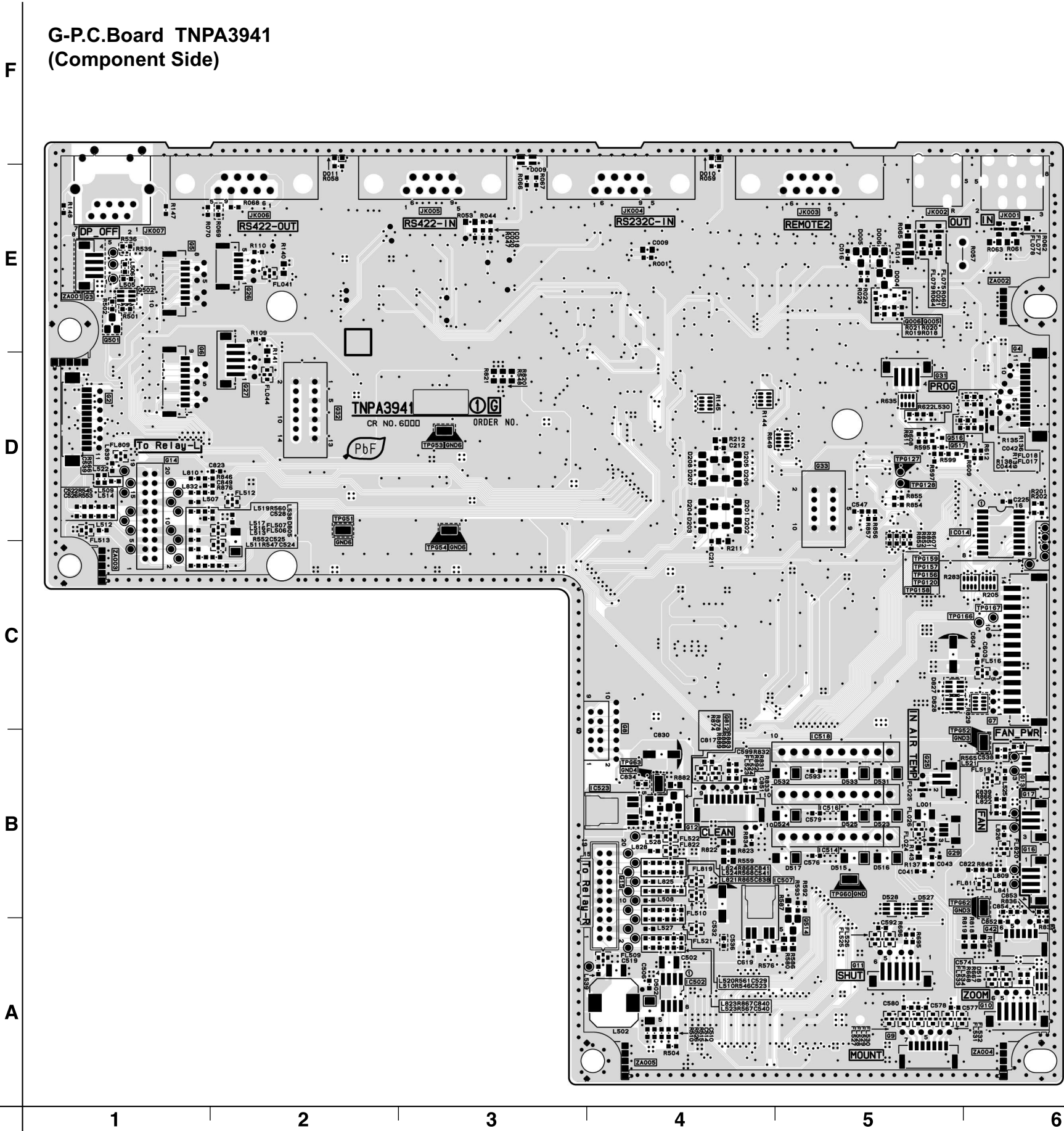
17.3. G-P.C.Board (Foil Side)



G-P.C.Board (Foil Side)					
IC					
IC6001	E-3	IC6012	D-2	IC6511	C-2
IC6002	E-3	IC6013	D-2	IC6512	C-3
IC6003	E-3	IC6501	D-4	IC6513	C-2
IC6004	E-3	IC6503	D-4	IC6514	B-2
IC6005	E-3	IC6504	D-4	IC6516	B-2
IC6007	E-2	IC6505	C-1	IC6519	C-1
IC6008	E-2	IC6506	D-4	IC6521	A-1
IC6009	E-4	IC6508	B-2	IC6522	D-3
IC6010	E-2	IC6509	D-1	IC6524	B-1
IC6011	D-2	IC6510	D-2	IC6525	B-3
TRANSISTOR					
Q6001	E-2	Q6504	D-6	Q6520	B-2
Q6002	D-2	Q6509	E-6	Q6521	D-2
Q6003	E-3	Q6510	E-6	Q6522	D-2
Q6004	E-3	Q6511	E-6	Q6523	D-2
Q6007	E-1	Q6512	B-1	Q6524	D-2
Q6008	E-1	Q6513	D-3	Q6525	C-1
Q6009	E-3	Q6515	B-3	Q6530	C-2
Q6010	E-3	Q6518	B-3	Q6531	C-2
Q6503	D-6	Q6519	B-2	Q6813	B-1

ADDRESS INFORMATION

17.4. G-P.C.Board (Component Side)

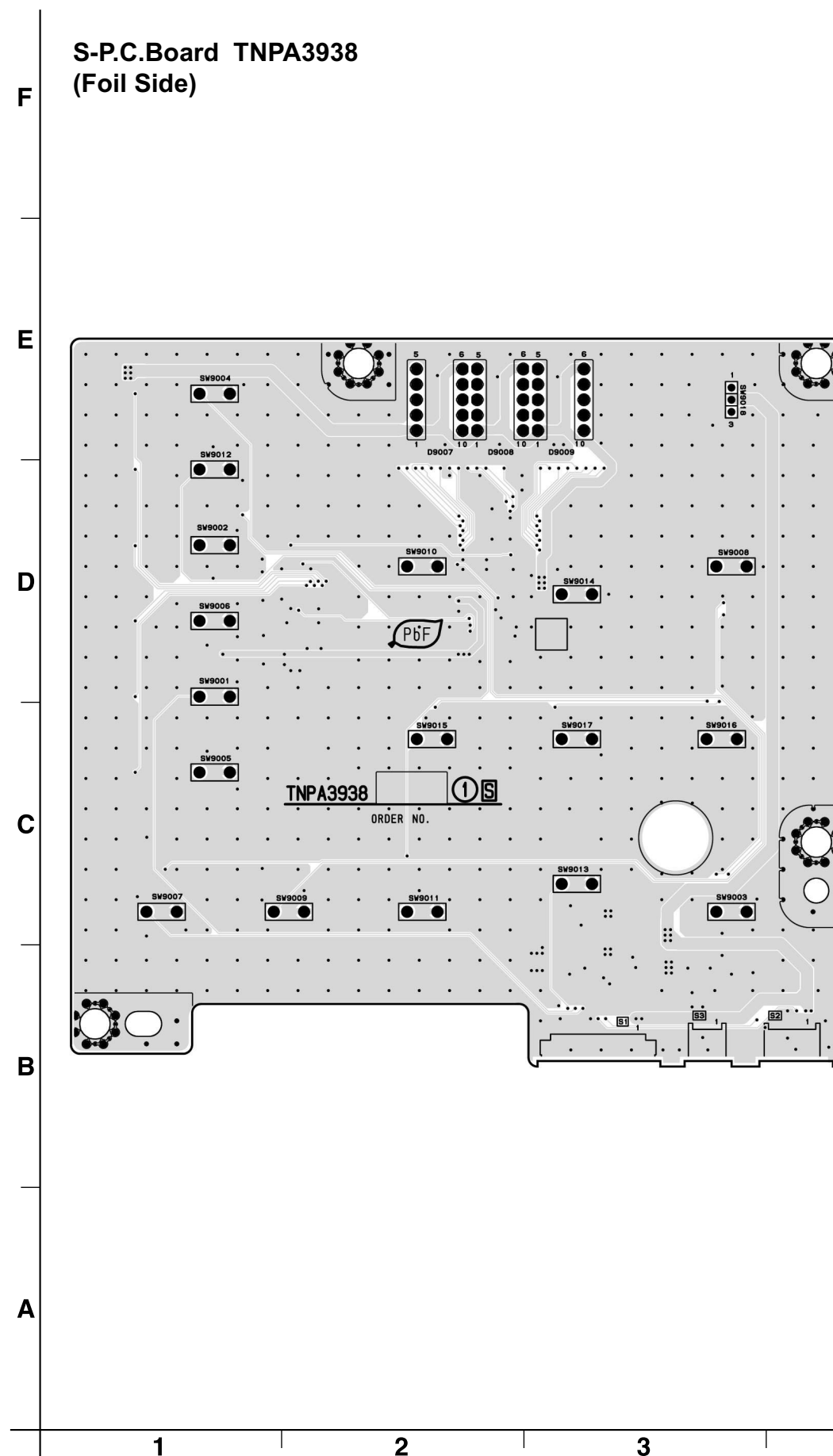


G-P.C.Board TNPA3941
(Component Side)

G-P.C.Board (Component Side)			
IC			
IC6014	D-6	IC6518	B-5
IC6502	A-4	IC6523	B-4
IC6507	B-5		
TRANSISTOR			
Q6005	E-5	Q6514	B-5
Q6006	E-5	Q6516	D-5
Q6501	E-1	Q6517	D-5
Q6502	E-1	Q6812	B-4
ADDRESS INFORMATION			

17.5. S-P.C.Board

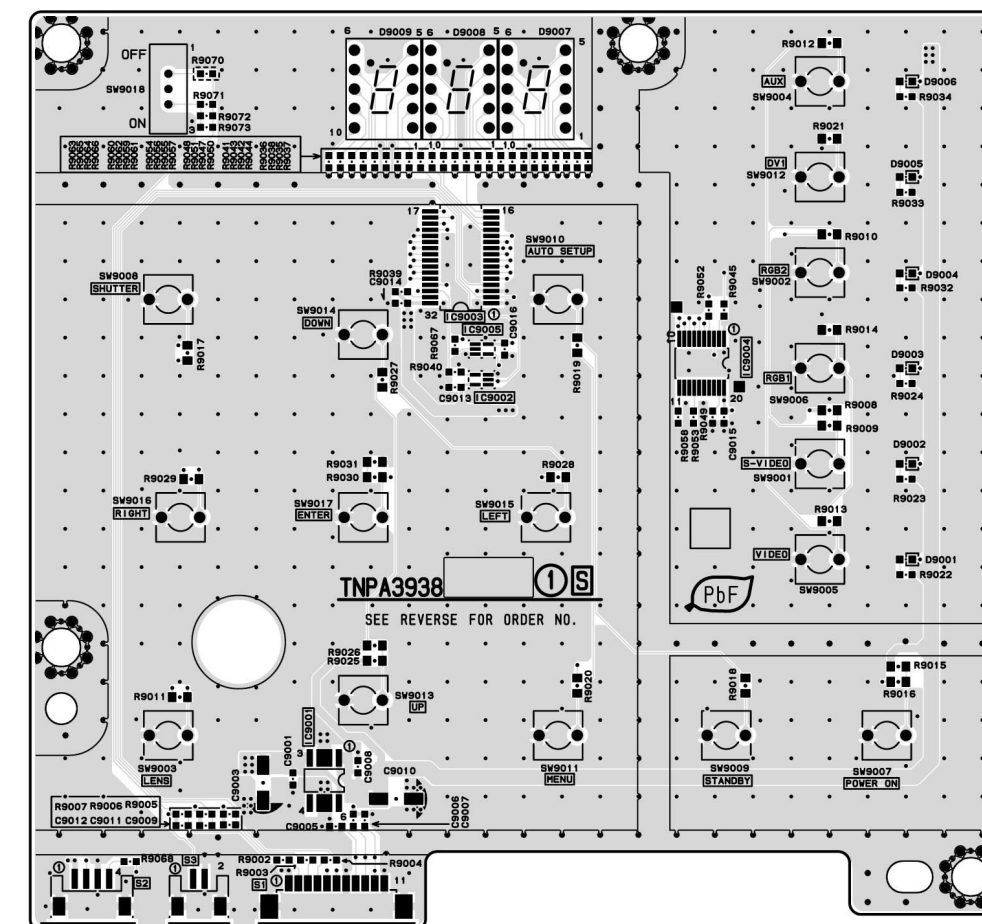
S-P.C.Board TNPA3938
(Foil Side)



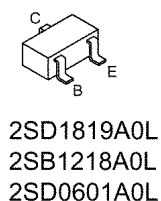
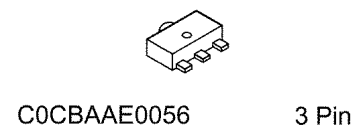
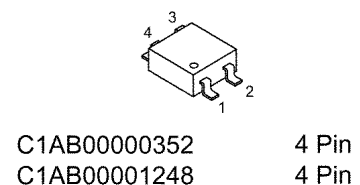
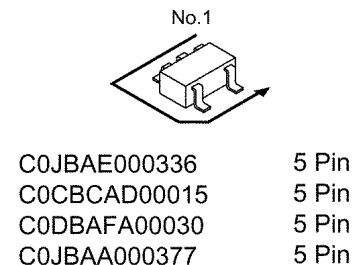
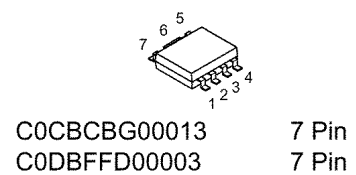
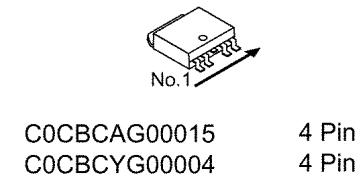
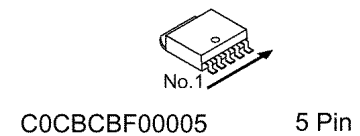
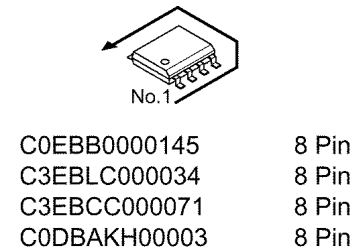
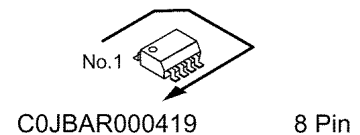
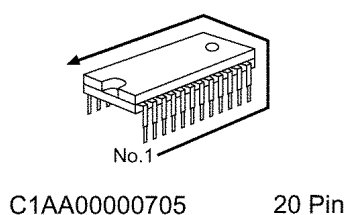
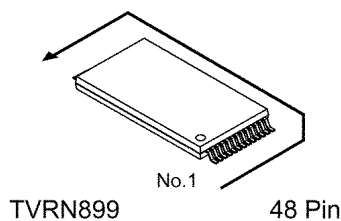
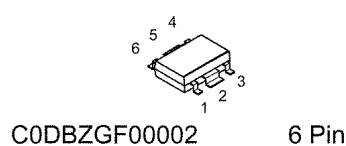
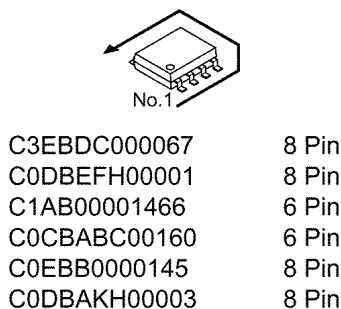
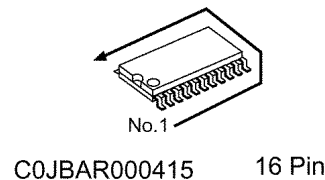
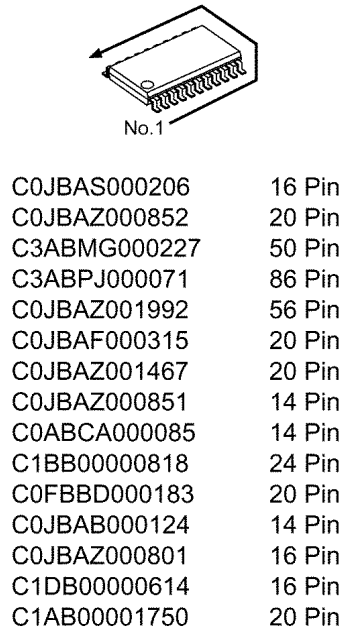
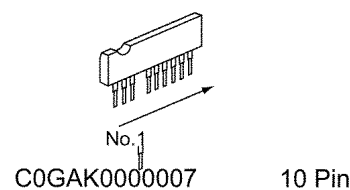
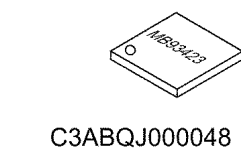
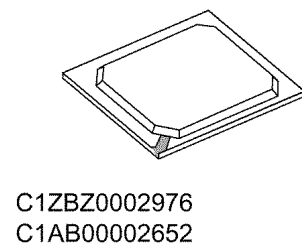
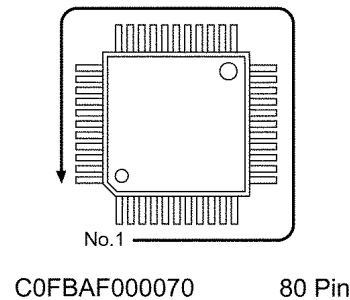
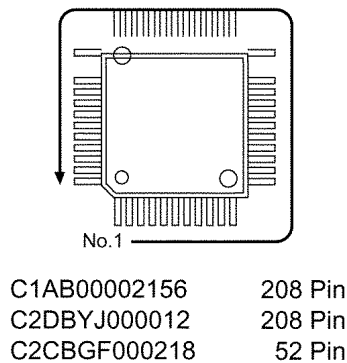
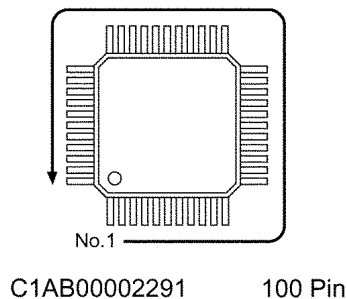
**S-P.C.Board TNPA3938
(Component Side)**

S-P.C.Board (Component Side)	
IC	
IC9001	C-6
IC9002	D-7
IC9003	D-7
IC9004	D-8
IC9005	D-7

ADDRESS INFORMATION

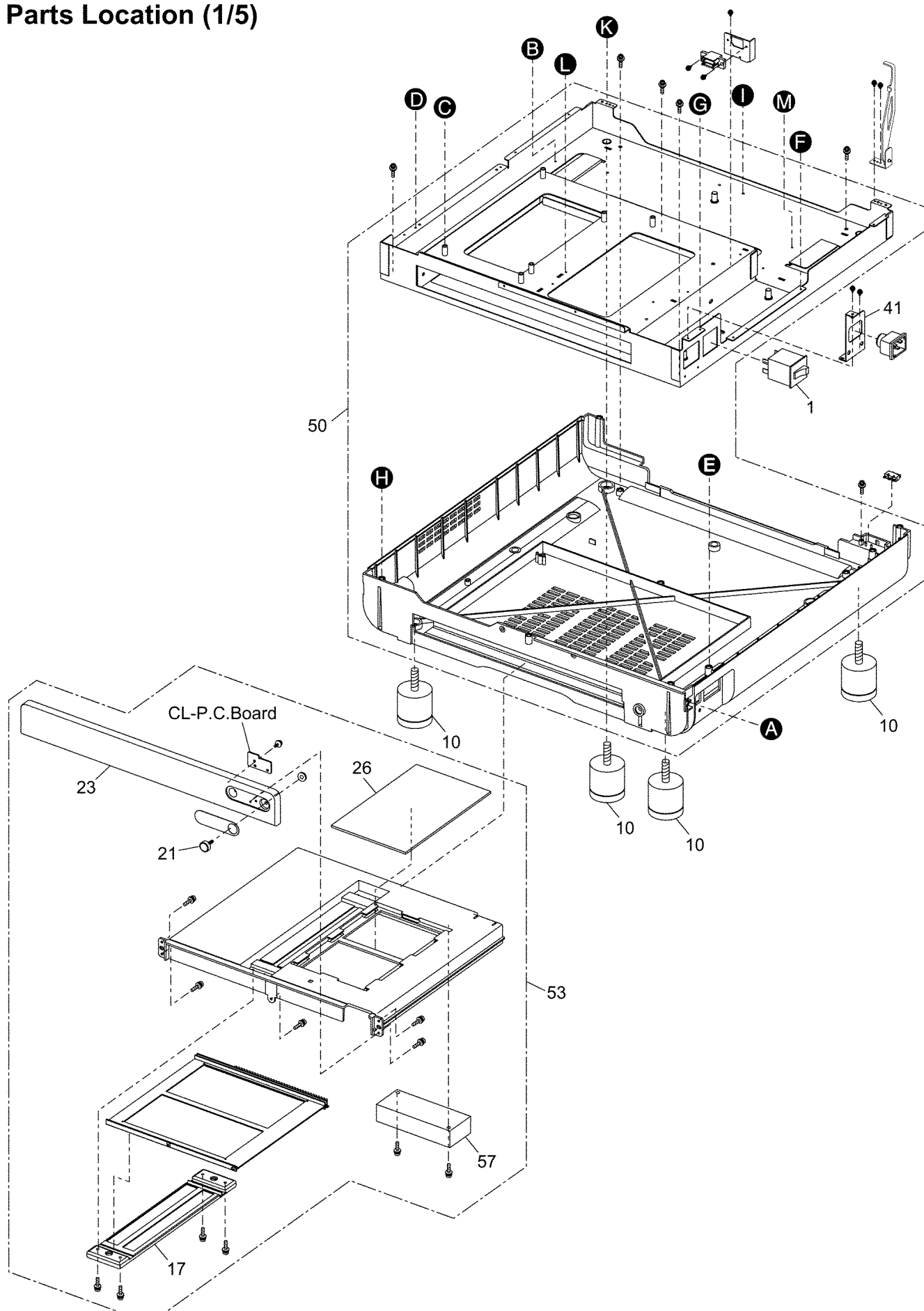


18 Terminal guide of ICs and transistors

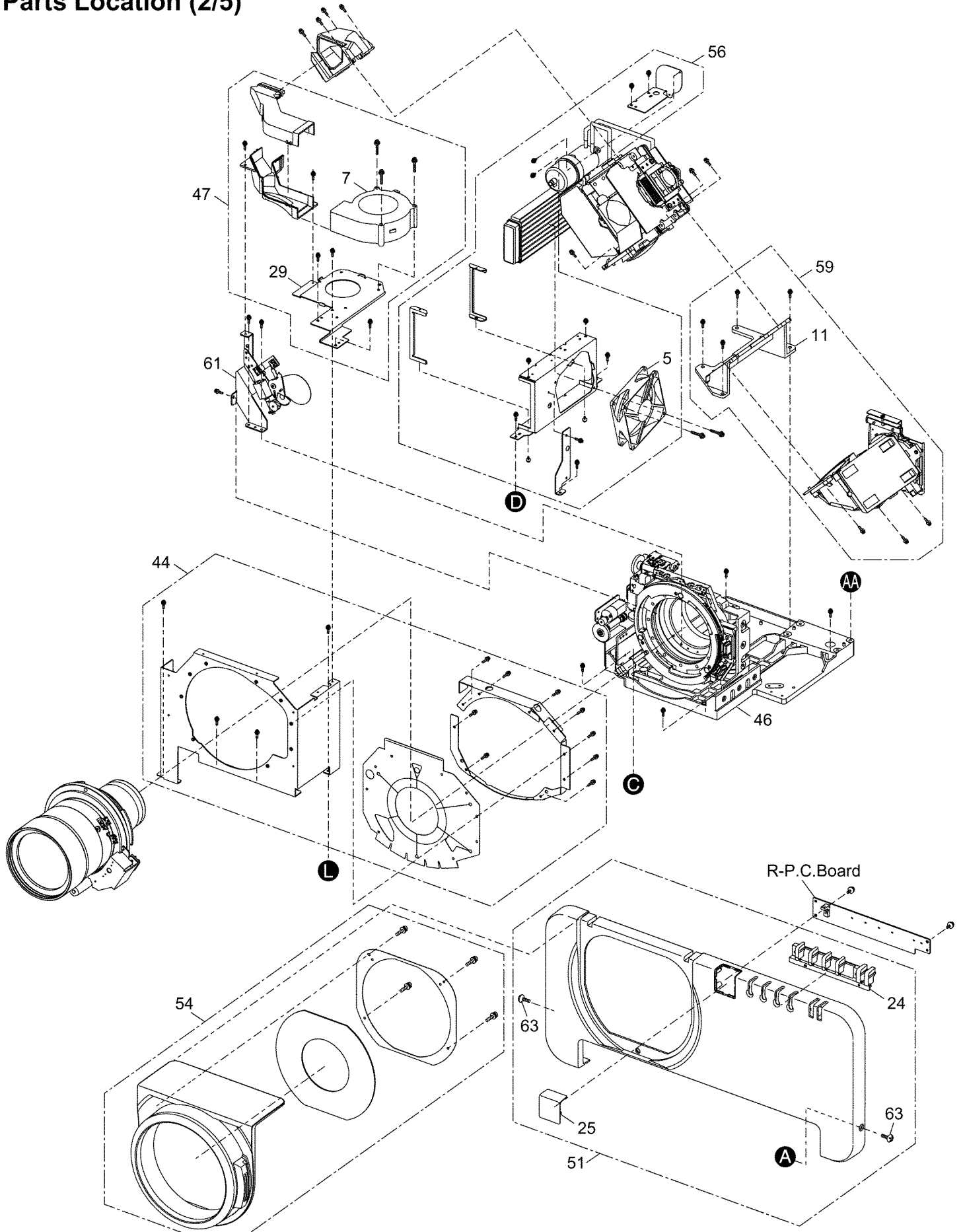


19 Exploded Views

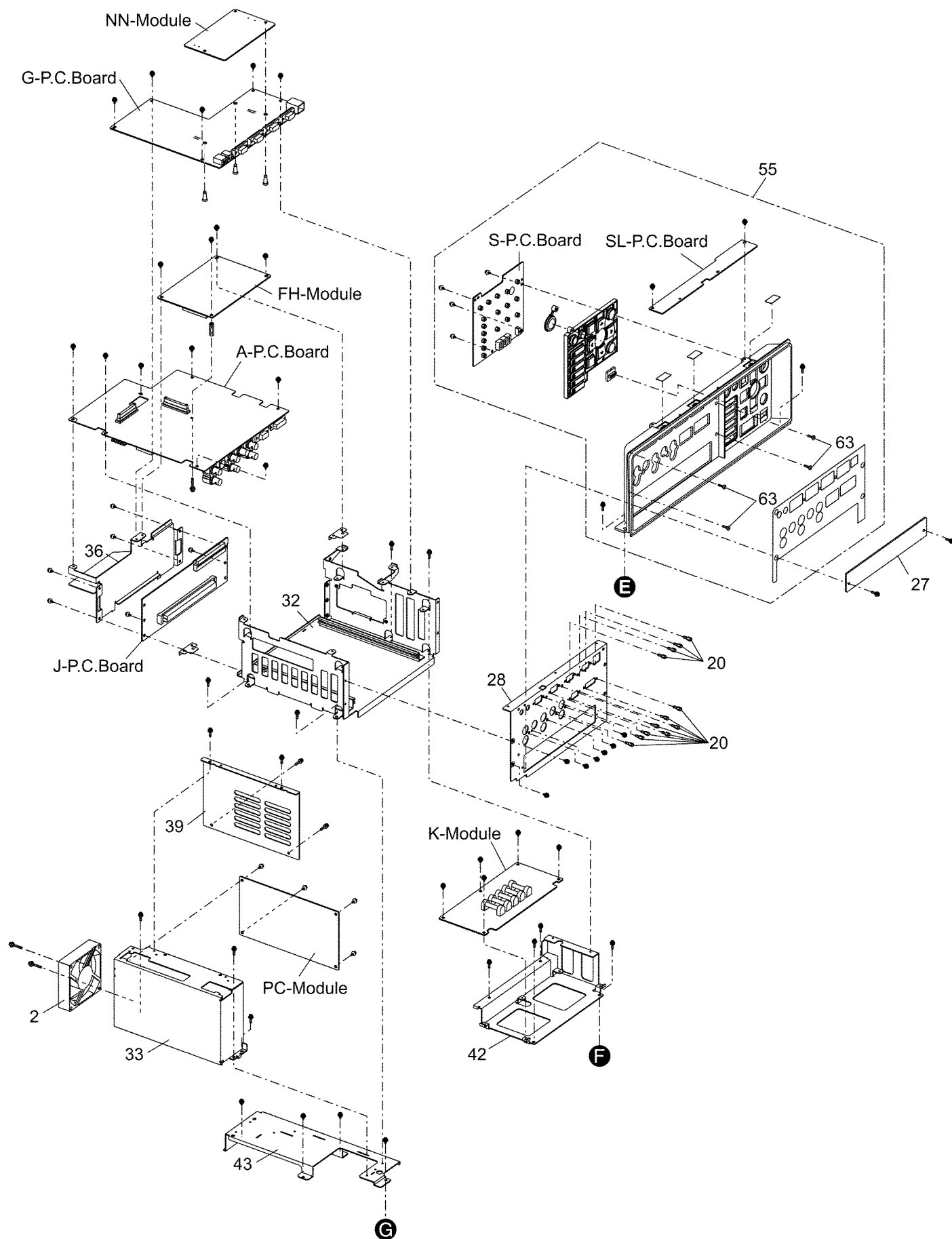
Parts Location (1/5)



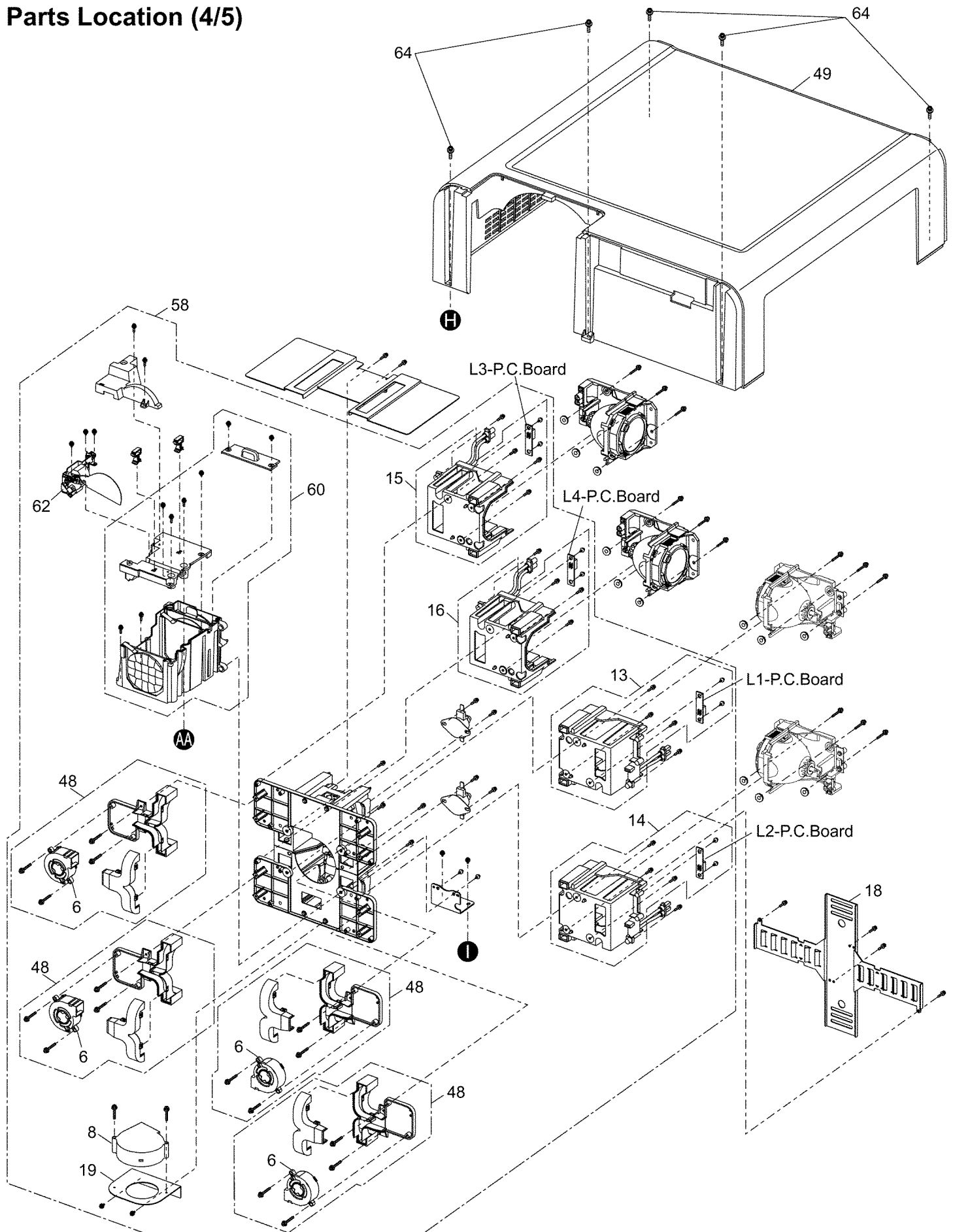
Parts Location (2/5)



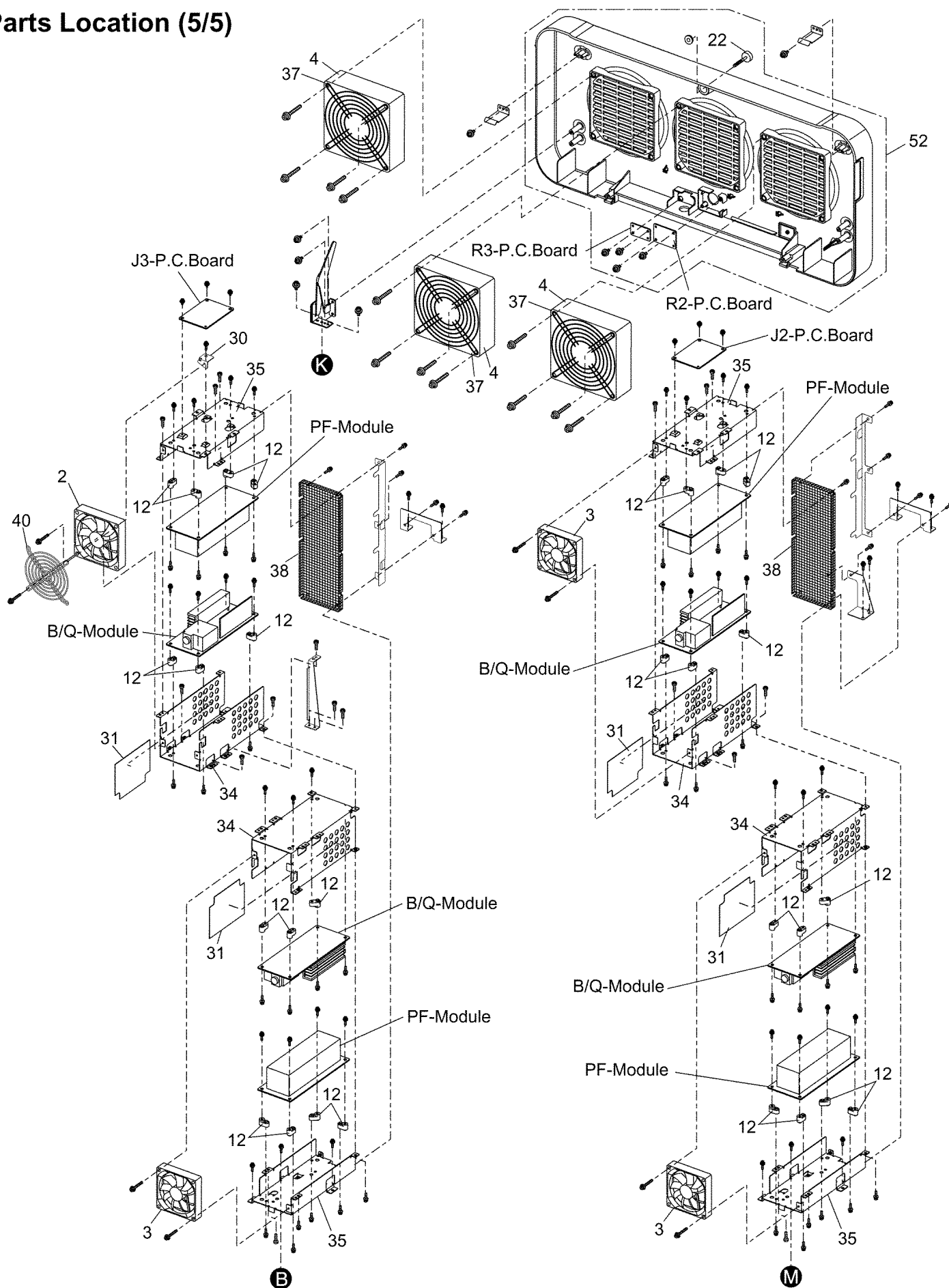
Parts Location (3/5)



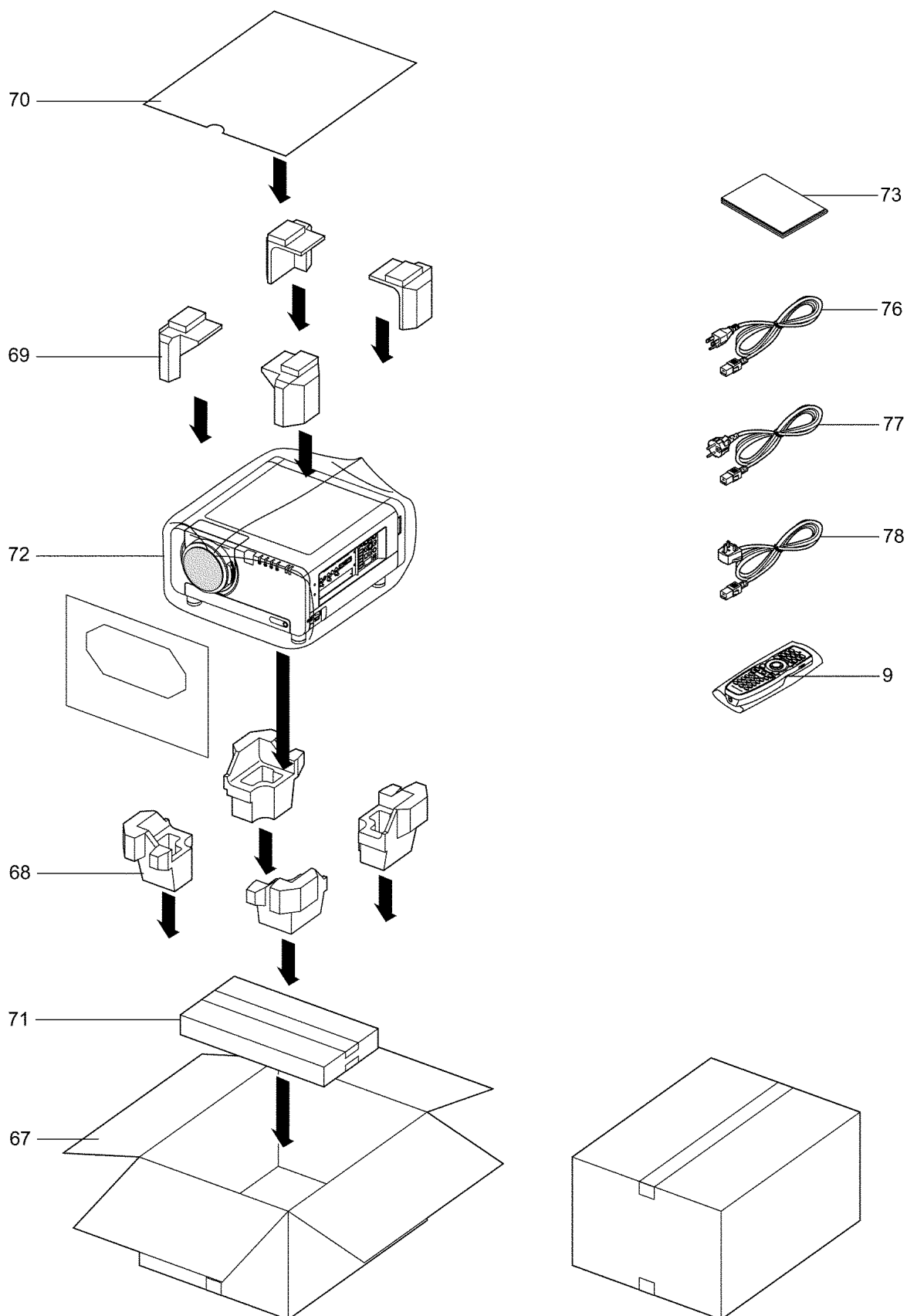
Parts Location (4/5)



Parts Location (5/5)



Packing Parts



20 Replacement Parts List

Important Safety Notice

Components identified by the International symbol $\triangle$ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ± 0.25 pF
E : Electrolytic	D : ± 0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : $\pm 5\%$
S : Polystyrol	K : $\pm 10\%$
T : Tantalum	L : $\pm 15\%$
	M : $\pm 20\%$
	P : $+100\%$, -0%
	Z : $+80\%$, -20%

Notes:

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Remarks
[MECHANICAL PARTS]			
	D4CDY4930001	TEMP SENSOR	$\triangle$
	D4CDY4930003	TEMP SENSOR	$\triangle$
	J0KG00000013	CLAMP CORE	$\triangle$
	K0YZ00000070	SWITCH	$\triangle$
76	K2CG3YY00015	POWER CORD 3M	$\triangle$ PT-D10000U/DW10000U
77	K2CM3YY00004	POWER CORD (EUROPE)	$\triangle$ PT-D10000E/DW10000E
78	K2CT3YY00006	POWER CORD (UK)	$\triangle$ PT-D10000E/DW10000E
1	K5JHPB000010	AC SWITCH (BREAKER)	$\triangle$
	L2EH00000001	SENSOR UNIT	
2	L6FAYYYH0043	FAN	$\triangle$ POWER, BALLAST3
3	L6FAYYYH0045	FAN	$\triangle$ BALLAST1, 2, 4
4	L6FAYYYH0046	FAN (EXHAUST)	$\triangle$ REAR COVER
5	L6FAYYYH0047	FAN (L-COOLING)	$\triangle$
6	L6FCYYYH0015	FAN (LAMP DUCT)	$\triangle$
7	L6FCYYYH0016	FAN (PRISM)	$\triangle$
8	L6FCYYYH0017	FAN (PRISM)	$\triangle$
9	N2QAYB000076	REMOTE CONTROLLER	
10	TBLG3021-1	ADJUST LEG	
	TBMG423	MODEL NAME PLATE	$\triangle$ PT-D10000U
	TBMG429	MODEL NAME PLATE	$\triangle$ PT-D10000E
	TBMG426	MODEL NAME PLATE	$\triangle$ PT-DW10000U
	TBMG430	MODEL NAME PLATE	$\triangle$ PT-DW10000E
	TBMG441	MODEL NO. LABEL	
	TBXA37201	LENS CHANGE SWITCH	
11	TEDX5001-1	ENGINE BASE	
12	TEEC5231	BALLAST SPACER	$\triangle$
17	TEEC5302	BRUSH COVER	
18	TENC5390	BACK METAL	
	TENC5391	SHAFT METAL	
19	TENC5398	FAN METAL	
	TESD046	COIL SPRING	
	TESD047	COIL SPRING	
	TESD049	COIL SPRING	
	THEA114J	SCREW	
	THEA125J	SCREW	

Ref. No.	Part No.	Part Name & Description	Remarks
	THEA162	SPACER	
20	THEC084N	D-SUB SCREW	
21	THEC096	SCREW	
22	THEC097	SCREW	
24	TKKC5256	LED PLATE	
25	TKKC5257	REMOTE RECEIVER PLATE	
26	TKNE067	ELECTRIC FILTER	
28	TKZF5052	TERMINAL PLATE	
29	TKZJ5069	SIROCCO FAN METAL	
30	TKZJ5070	BALLAST FAN METAL	
	TKZX5197	STAY METAL	
	TKZX5204	STAY INSTALL METAL 2	
	TMKX012	WASHER	
	TMKX012	WASHER	
	TMKX012	WASHER	
31	TMKY166	BALLAST SHEET	
	TMKY167	COVER	
	TMKY184	SENSOR INSTALL SHEET	
	TMKY203	SWITCH COVER	
	TMKY216	POWER SHEET	
	TMKY221	INSULATION SHEET	$\triangle$
	TMKY222	INSULATION SHEET	$\triangle$
	TMM16473-1	CLAMPER	
	TMM16497-1	CLAMPER	
	TMM6463-1	CLAMPER	
	TMM6496-1	CLAMPER	
	TMM7464-2	CLAMPER	
	TMM7468-1	CLAMPER	
	TMM81488	CLAMPER	
	TMME047	CLAMPER	
	TMME061	CLAMPER	
	TMME155	SPACER	
	TMME221	CLIP	
	TMME252	SPACER	
	TMME296	CLAMPER	
	TMME298	CLAMPER	
	TMX13439	GUIDE	
	TPAHE81	ACCESSORY BOLT	
68	TPDA1431	CUSHION 1	
69	TPDA1432	CUSHION 2	
	TPDA1532	LENS PAD	
70	TPDF0958	PAD (TOP)	

Ref. No.	Part No.	Part Name & Description	Remarks
71	TPDF1828	ACCESSORY CARTON	
	TPDF1882	FRONT PAD	
72	TPEH335	SET COVER	
	TQB817002-1	SAFETY SHEET	PT-D10000U/ DW10000U
73	TQBJ0208	INSTRUCTION BOOK	△ PT-D10000U/DW10000U
	TQBJ0209	INSTRUCTION BOOK	△ PT-D10000E/ DW10000E
	TQD1712010	SHEET	
	TQDJ18018	GUARANTEE CARD	PT-D10000U/ DW10000U
	TQDJ39001	SERVICE CENTER SHEET	PT-D10000U/ DW10000U
	TQFC140	CARRY CAUTION SHEET	
	TQFD576	RECYCLE MARK SEAL	
	TSXL508	FLEX CABLE (FG-FB)	△ PT-D10000U/E
	TSXL509	FLEX CABLE (FB-FR)	△ PT-D10000U/E
	TSXL598	FLEX CABLE (A-FG)	△ PT-D10000U/E
	TTRA0144	CEILING WIRE	
32	TUCC6177	SIGNAL CASE	
33	TUCC6178	POWER CASE	
34	TUCC6179	BALLAST PFC CASE 1	
35	TUCC6180	BALLAST PFC CASE 2	
36	TUCC6181	PCB-J INSTALL PLATE	
37	TUCC6182	SHIELD METAL	
38	TUCC6183	BALLAST FAN MESH	
	TUCC6185	SHIELD METAL	
39	TUCC6191	POWER CASE COVER	
	TUCC6224	SHEET METAL	
40	TUCC6226	SHIELD METAL 2	
	TUCJ5588-1	BALLAST PLATE	
	TUCJ5588-1	BALLAST PLATE	
	TUCJ5588-1	BALLAST PLATE	
	TUCJ5588-1	BALLAST PLATE	
41	TUWX151	INLET METAL	
	TUXA188	ACTUATOR BRACKET	
	TUXA189-1	MOTOR FLANGE	
42	TUXE293	PCB-K METAL	
43	TUXJ372	PC METAL	
44	TXAUA01VKC8	FRONT METAL ASSY	
46	TXFED01VKC8	LENS MOUNT ASSY	
47	TXFEE01VKC8	DMD DUCT ASSY	
48	TXFEE02VKC8	LAMP DUCT ASSY	
16	TXFEE96VKC8	LAMP CASE (L4)	
15	TXFEE97VKC8	LAMP CASE (L3)	
14	TXFEE98VKC8	LAMP CASE (L2)	
13	TXFEE99VKC8	LAMP CASE (L1)	
53	TXFKF05VKC8	FILTER CLEANING ASSY	
23	TXFKF95VKC8	FRONT COVER	
52	TXFKF96QDJZ	BACK COVER	△
51	TXFKF97QDJZ	FRONT CASE	△
50	TXFKF98QDJZ	BOTTOM COVER	△ PT-D10000U
	TXFKF98QDLZ	BOTTOM COVER	△ PT-D10000E
	TXFKF98QDHZ	BOTTOM COVER	△ PT-DW10000U
	TXFKF98QDKZ	BOTTOM COVER	△ PT-DW10000E
49	TXFKF99QDJZ	UPPER COVER	△ PT-D10000U/E
	TXFKF99QDHZ	UPPER COVER	△ PT-DW10000U/E
54	TXFKP01VKC8	LENS COVER	
55	TXFKP02VKC8	TERMINAL COVER	△
27	TXFKP03VKC8	DECORATION COVER	
56	TXFKZ01VKC8	L-COOLING UNIT	

Ref. No.	Part No.	Part Name & Description	Remarks
67	TXFPC99QDJZ	CARTON	△ PT-D10000U
	TXFPC99QDLZ	CARTON	△ PT-D10000E
	TXFPC99QDHZ	CARTON	△ PT-DW10000U
	TXFPC99QDKZ	CARTON	△ PT-DW10000E
	TXFMFVJU4	GEAR MOTOR (MF)	△
	TXFMHVJU4	GEAR MOTOR (MH)	△
	TXFMVJU4	GEAR MOTOR (MV)	△
	TXFPC99QDJZ	CARTON	
	TXFSE01VKC8	MECHA-SHUTTER SW LEAD	△
	TXFSE03VKC8	INTERLOCK SW LEAD	△
	TXFSE04VKC8	ALPS SW LEAD	△
57	TXFSE06VKC8	MOTOR MECHA-UNIT	△
	TXJ/A1VKC8	LEAD WIRE (A1-PC5)	△
	TXJ/A2VKC8	LEAD WIRE (A2-PC4)	△
	TXJ/B1VKC8	LEAD WIRE (B1-PF2)	△
	TXJ/B2VKC8	LEAD WIRE (B2-PF3)	△
	TXJ/E1VKC8	LEAD WIRE (ACI NLET-F.GND)	△
	TXJ/E2VKC8	MOUNT EARTH WIRE	△
	TXJ/G5VKC8	LEAD WIRE (G5-Q3)	△
	TXJ/G6VKC8	LEAD WIRE (G6-Q3)	△
	TXJ/G7VKC8	LEAD WIRE (G7-PC3)	△
	TXJ/G8VKC8	LEAD WIRE (G8-H1)	△
	TXJ/G9VKC8	LEAD WIRE (G9-HVF MOTOR)	△
	TXJ/K1VKC8A	LEAD WIRE (BREAKER SW-K1)	△
	TXJ/K2VKC8A	LEAD WIRE (K2-BIMETAL)	△
	TXJ/K3VKC8	LEAD WIRE (K3/K4-PF1)	△
	TXJ/K5VKC8	LEAD WIRE (K5/K6-PF1)	△
	TXJ/K7VKC8	LEAD WIRE (K7-PC1)	△
	TXJ/R1VKC8	LEAD WIRE (R1-G4)	△
	TXJ/R2VKC8	LEAD WIRE (S2-R21)	△
	TXJ/R3VKC8	LEAD WIRE (R22-R31)	△
	TXJ/S1VKC8	LEAD WIRE (S1-G2)	△
	TXJ/S3VKC8	LEAD WIRE (S3-SL1)	△
	TXJA37VKC8	LEAD WIRE (A37-Q3)	△
	TXJA39VKC8	LEAD WIRE (A39-Q3)	△
	TXJA40VKC8	SW LEAD (A40-REAR COVER)	△
	TXJBB1VKC8A	LEAD WIRE (BIMETAL-BIMETAL)	△
	TXJCL1VKC8	CL1 MOTOR SENSOR	△
	TXJFB2VKC8	LEAD WIRE (A3-FB2)	△
	TXJFB3VKC8	LEAD WIRE (A10-FB3)	△ PT-D10000U/E
	TXJFH4VKC9A	LEAD WIRE (A10-FB3)	△ PT-DW10000U/E
	TXJFG2VKC8	LEAD WIRE (A5-FG2)	△
	TXJFG3VKC8	LEAD WIRE (A9-FG3)	△ PT-D10000U/E
	TXJFH6VKC9A	LEAD WIRE (A9-FG3)	△ PT-DW10000U/E
	TXJFR2VKC8	LEAD WIRE (A4-FR2)	△
	TXJFR3VKC8	LEAD WIRE (A11-FR3)	△ PT-D10000U/E
	TXJFH8VKC9A	LEAD WIRE (A11-FR3)	△ PT-DW10000U/E
	TXJG10VKC8	LEAD WIRE (G10-ZOOM CT)	△
	TXJG12VKC8	LEAD WIRE (G12-CLEANER CT)	△
	TXJG14VKC8	LEAD WIRE (G14-J20)	△
	TXJG15VKC8	LEAD WIRE (G15-J30)	△
	TXJG29VKC8	LEAD WIRE (G29-AIR PRES.)	△
	TXJG42VKC8	LEAD WIRE (G42-LV/LH)	△
	TXJJ21VKC8	LEAD WIRE (J21-BACK FAN)	△
	TXJL11VKC8	LEAD WIRE (L11-A36)	△
	TXJL21VKC8	LEAD WIRE (L21-A38)	△
	TXJL31VKC8	LEAD WIRE (L31-G26)	△
	TXJL41VKC8	LEAD WIRE (L41-G27)	△
	TXJSW1QDJZB	INLET-BREAKER SW	△

Ref. No.	Part No.	Part Name & Description	Remarks
58	TXZEE01VKC8	ANALYSIS BLOCK	PT-D10000U/E
	TXZEE01VKC9	ANALYSIS BLOCK	PT-DW10000U/E
59	TXZEE02VKC8	ANALYSIS MIRROR	
60	TXZEE03VKC8	ANALYSIS CASE ASSY	PT-D10000U/E
	TXZEE02VKC9	ANALYSIS CASE ASSY	PT-DW10000U/E
61	TXZEK01VKC8	MECHA-SHUTTER	
62	TXZTE01VKC8	IRIS UNIT ASSY	
	XNG3BFJ	NUT	
	XQN2+C2FJK	SCREW	
	XSB3+5FJ	SCREW	
	XSB3+8FC	SCREW	
63	XSB4+10FJK	SCREW	
	XSB4+40FJ	SCREW	
	XSS3+6FJ	SCREW	
	XSS3+6FJK	SCREW	
	XTB3+12CFN	SCREW	
	XTBT969FJK	SCREW	
	XTN3+4FFJ	SCREW	
	XTN3+6GFJ	SCREW	
	XTS3+10JFJK	SCREW	
	XTV3+8AFJ	SCREW	
	XTV3+8FFJ	SCREW	
	XTW3+6PFJ	SCREW	
	XTW3+6PFJK	SCREW	
	XTW3+8PFJ	SCREW	
	XUC15FJ	E RING	
	XVE3A10FT	SCREW	
	XYN2+J16FJ	SCREW	
	XYN2+J6FJ	SCREW	
	XYN2+J8FJ	SCREW	
	XYN3+F14FJ	SCREW (POWER FAN)	
	XYN3+F18FJ	SCREW	
	XYN3+F25FJ	SCREW	
	XYN3+F30FJ	SCREW	
	XYN3+F6FJ	SCREW	
	XYN3+F8FJ	SCREW	
	XYN3+J10FJ	SCREW	
	XYN3+J8FJ	SCREW	
64	XYN4+F10FJ	SCREW	
	XYN4+F25FJ	SCREW	
	XYN4+F30FJ	SCREW	
	XYN4+J10FJ	SCREW	
	XYN4+J14FJ	SCREW	
	XYN4+J45FJ	SCREW	
	XYN4+J6FJ	SCREW	
[INTEGRATED CIRCUIT]			
IC2000	C0DBAFA00030	I.C	
IC2001	C0DBEFH00001	I.C	
IC2002	C1ZBZ0002976	I.C	
IC2003	C0DBZFG00055	I.C	
IC2005	C1AB00002652	I.C	
IC2006	C3ABQJ000048	I.C	
IC2007	C3ABQJ000048	I.C	
IC2009	C0CBAAE00056	I.C	
IC2010	TVRP164	I.C	
IC2501	C0JBAB000621	I.C	
IC2503	C0JBAAE000336	I.C	
IC2504	C0JBAF000315	I.C	
IC2505	C0JBAF000315	I.C	
IC2506	C0JBAR000415	I.C	
IC2507	C0JBAA000377	I.C	
IC2508	C0JBAB000621	I.C	
IC2509	C0JBAB000621	I.C	
IC2510	C0JBAA000377	I.C	
IC2511	C0JBAA000377	I.C	
IC2512	C0JBAB000621	I.C	
IC2513	C0JBAB000621	I.C	
IC2514	C0JBAB000621	I.C	
IC2515	C0JBAB000621	I.C	
IC2516	C0JBAZ000851	I.C	
IC2517	C0JBAB000621	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC2604	C0JBAR000415	I.C	
IC2605	C0JBAR000415	I.C	
IC2609	C0JBAR000415	I.C	
IC2610	C0JBAR000415	I.C	
IC2611	TVRP189	I.C	
IC2612	C3ABPJ000071	I.C	
IC2613	C0DBFFD00003	I.C	
IC2614	C0CBCBF00005	I.C	
IC2615	C2DBYJ000012	I.C	
IC2617	C0JBAZ001467	I.C	
IC2618	C3EBLC000034	I.C	
IC2619	C3EBLC000034	I.C	
IC2620	C0EBB0000145	I.C	
IC2629	C0JBAA000377	I.C	
IC2630	C0JBAA000377	I.C	
IC2632	C0JBAZ001992	I.C	
IC2635	C0JBAF000315	I.C	
IC2636	C0JBAF000315	I.C	
IC2637	C0JBAE000336	I.C	
IC2638	C0JBAA000377	I.C	
IC3001	C1AB00001466	I.C	
IC3002	C1AB00000352	I.C	
IC3003	C1AB00001248	I.C	
IC3004	C0CBABC00160	I.C	
IC3005	C0CBCBG00013	I.C	
IC3006	C0EBB0000145	I.C	
IC3007	C3ABMG000227	I.C	
IC3008	C1AB00002156	I.C	
IC3010	C0JBAR000419	I.C	
IC3011	C0JBAR000419	I.C	
IC3012	C0JBAR000419	I.C	
IC3013	C0CBCAG00015	I.C	
IC3015	C0FBAY000031	I.C	
IC3016	C1AA00000705	I.C	
IC3017	C0JBAE000336	I.C	
IC3019	C0JBAZ000852	I.C	
IC3020	C3EBDC000067	I.C	
IC3021	C0JBAS000206	I.C	
IC3022	C0DBZGF00002	I.C	
IC3023	C1AB00002291	I.C	
IC3024	C0CBCAD00015	I.C	
IC3025	C0CBABB00029	I.C	
IC3027	C0JBAB000613	I.C	
IC3028	C0JBAE000336	I.C	
IC6001	C0JBAB000621	I.C	
IC6002	C0JBAZ000851	I.C	
IC6003	C0JBAB000621	I.C	
IC6004	C1CB00001750	I.C	
IC6005	C0JBAZ000851	I.C	
IC6006	SN74HC14NS	I.C	
IC6007	C0JBAE000336	I.C	
IC6008	C0JBAE000336	I.C	
IC6009	C1DB00000614	I.C	
IC6010	C0JBAZ000801	I.C	
IC6011	C0JBAZ000801	I.C	
IC6012	C0JBAZ000801	I.C	
IC6013	C0JBAZ000801	I.C	
IC6014	C0JBAZ000801	I.C	
IC6501	C0DBAKH00003	I.C	
IC6502	C0DBAKH00003	I.C	
IC6503	C0DBAKH00003	I.C	
IC6504	C0DBAKH00003	I.C	
IC6505	C0CBCYG00004	I.C	
IC6506	C0CBCYG00004	I.C	
IC6507	C0CBCYG00004	I.C	
IC6508	C0CBCYG00004	I.C	
IC6509	C0FBBD000183	I.C	
IC6510	TVRP188	I.C	
IC6511	C0ABCA000085	I.C	
IC6512	C1BB00000818	I.C	
IC6513	C0CBCYG00004	I.C	
IC6514	C0GAK0000007	I.C	
IC6516	C0GAK0000007	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC6518	C0GAK0000007	I.C	
IC6519	C0FBB0000183	I.C	
IC6521	C0DBAKH00003	I.C	
IC6522	C0DBAKH00003	I.C	
IC6523	C0CBCYG00004	I.C	
IC6524	C0CBCYG00004	I.C	
IC6525	C0CBCYG00004	I.C	
IC9601	MIP0222SUL	I.C	
IC9602	C0ZBZ0001462	I.C	
IC9603	C0ZBZ0001462	I.C	
IC9902	C0GBA0000002	I.C	
[TRANSISTORS]			
Q2000	B1DHDD000027	TRANSISTOR	
Q2503	B1ABCF000020	TRANSISTOR	
Q2504	B1ABCF000020	TRANSISTOR	
Q2505	B1CBHD000001	TRANSISTOR	
Q2506	B1CBHD000001	TRANSISTOR	
Q2507	B1CBHD000001	TRANSISTOR	
Q2508	B1CBHD000001	TRANSISTOR	
Q2509	B1ABCF000020	TRANSISTOR	
Q2510	B1ABCF000020	TRANSISTOR	
Q2511	B1ABCF000020	TRANSISTOR	
Q2512	B1ABCF000020	TRANSISTOR	
Q2513	B1ABCF000020	TRANSISTOR	
Q2514	B1ABCF000020	TRANSISTOR	
Q2515	B1ABCF000020	TRANSISTOR	
Q2516	B1ABCF000020	TRANSISTOR	
Q2517	B1ABCF000020	TRANSISTOR	
Q2518	B1ADCF000063	TRANSISTOR	
Q2519	B1ADCF000063	TRANSISTOR	
Q2520	B1ADCF000063	TRANSISTOR	
Q2521	B1ADCF000063	TRANSISTOR	
Q2522	B1ADCF000063	TRANSISTOR	
Q2523	B1ADCF000063	TRANSISTOR	
Q2524	B1ABCF000020	TRANSISTOR	
Q2525	B1ABCF000020	TRANSISTOR	
Q2526	B1ADCF000063	TRANSISTOR	
Q2527	B1ADCF000063	TRANSISTOR	
Q2528	B1ADCF000063	TRANSISTOR	
Q2529	B1ADCF000063	TRANSISTOR	
Q2530	B1ABCF000020	TRANSISTOR	
Q2531	B1ABCF000020	TRANSISTOR	
Q2532	B1ABCF000020	TRANSISTOR	
Q2533	B1ABCF000020	TRANSISTOR	
Q2534	B1ABCF000020	TRANSISTOR	
Q2535	B1ABCF000020	TRANSISTOR	
Q2536	B1ABCF000020	TRANSISTOR	
Q2537	B1ABCF000020	TRANSISTOR	
Q2538	B1ABCF000020	TRANSISTOR	
Q2539	B1ADCF000063	TRANSISTOR	
Q2540	B1ADCF000063	TRANSISTOR	
Q2541	B1ADCF000063	TRANSISTOR	
Q2542	B1ADCF000063	TRANSISTOR	
Q2543	B1ADCF000063	TRANSISTOR	
Q2544	B1ADCF000063	TRANSISTOR	
Q2545	B1ABCF000020	TRANSISTOR	
Q2546	B1ABCF000020	TRANSISTOR	
Q2547	B1ADCF000063	TRANSISTOR	
Q2548	B1ADCF000063	TRANSISTOR	
Q2549	B1ADCF000063	TRANSISTOR	
Q2550	B1ADCF000063	TRANSISTOR	
Q2551	B1ADCF000063	TRANSISTOR	
Q2560	B1ABCF000020	TRANSISTOR	
Q2561	B1ABCF000020	TRANSISTOR	
Q3002	B1ABCF000020	TRANSISTOR	
Q3003	XP0460100L	TRANSISTOR	
Q3004	2SK198R	TRANSISTOR	
Q3005	B1ABCF000020	TRANSISTOR	
Q3006	B1ADCF000063	TRANSISTOR	
Q3007	B1ABCF000020	TRANSISTOR	
Q3008	B1ABCF000020	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q3009	B1ADCF000063	TRANSISTOR	
Q3010	XP0460100L	TRANSISTOR	
Q3011	XP0460100L	TRANSISTOR	
Q3012	B1ABBB000089	TRANSISTOR	
Q3013	B1ABCF000020	TRANSISTOR	
Q3014	B1ABBB000089	TRANSISTOR	
Q3015	B1ABCF000020	TRANSISTOR	
Q3016	B1ABCF000020	TRANSISTOR	
Q3017	B1ABCF000020	TRANSISTOR	
Q3018	B1ABBB000089	TRANSISTOR	
Q3019	B1ABCF000020	TRANSISTOR	
Q3020	B1ABBB000089	TRANSISTOR	
Q3021	B1ABCF000020	TRANSISTOR	
Q3022	B1ABBB000089	TRANSISTOR	
Q3023	B1ABCF000020	TRANSISTOR	
Q3024	B1ABBB000089	TRANSISTOR	
Q3025	B1ABCF000020	TRANSISTOR	
Q3026	B1ABBB000089	TRANSISTOR	
Q3027	B1ABCF000020	TRANSISTOR	
Q3028	XP0460100L	TRANSISTOR	
Q3029	B1ABBB000089	TRANSISTOR	
Q3030	B1ABCF000020	TRANSISTOR	
Q3031	XP0460100L	TRANSISTOR	
Q3032	B1ABCF000020	TRANSISTOR	
Q3033	B1ABCF000020	TRANSISTOR	
Q3034	B1ABCF000020	TRANSISTOR	
Q3035	XP0650100L	TRANSISTOR	
Q3036	XP0650100L	TRANSISTOR	
Q3037	B1ADCF000063	TRANSISTOR	
Q3038	B1ADCF000063	TRANSISTOR	
Q3039	XP0640100L	TRANSISTOR	
Q3040	XP0640100L	TRANSISTOR	
Q3041	B1ABCF000020	TRANSISTOR	
Q3042	XP0650100L	TRANSISTOR	
Q3043	B1CBHD000001	TRANSISTOR	
Q3044	B1CBHD000001	TRANSISTOR	
Q3045	B1ABCF000020	TRANSISTOR	
Q3051	B1ADCF000063	TRANSISTOR	
Q3052	B1ABCF000020	TRANSISTOR	
Q3053	B1ADCF000063	TRANSISTOR	
Q6001	2SD1819A	TRANSISTOR	
Q6002	2SB1218A	TRANSISTOR	
Q6003	B1CBGD000001	TRANSISTOR	
Q6004	B1CBGD000001	TRANSISTOR	
Q6005	2SD1819A	TRANSISTOR	
Q6006	2SD1819A	TRANSISTOR	
Q6007	2SB0710AWL	TRANSISTOR	
Q6008	2SB1218A	TRANSISTOR	
Q6009	B1CBGD000001	TRANSISTOR	
Q6010	B1CBGD000001	TRANSISTOR	
Q6512	2SD601A-R	TRANSISTOR	
Q6513	2SD601A-R	TRANSISTOR	
Q6514	2SD601A-R	TRANSISTOR	
Q6515	B1ABCF000020	TRANSISTOR	
Q6516	B1CBGD000001	TRANSISTOR	
Q6517	B1CBGD000001	TRANSISTOR	
Q6518	B1ABCF000020	TRANSISTOR	
Q6519	B1ABCF000020	TRANSISTOR	
Q6520	B1ADCF000063	TRANSISTOR	
Q6521	B1CBGD000001	TRANSISTOR	
Q6522	B1CBGD000001	TRANSISTOR	
Q6523	B1CBGD000001	TRANSISTOR	
Q6524	B1CBGD000001	TRANSISTOR	
Q6525	B1CBGD000001	TRANSISTOR	
Q6530	B1CBGD000001	TRANSISTOR	
Q6531	B1CBGD000001	TRANSISTOR	
Q6812	2SD601A-R	TRANSISTOR	
Q6813	2SD601A-R	TRANSISTOR	
Q9601	2SD1819A	TRANSISTOR	
Q9602	2SB1218A	TRANSISTOR	
Q9603	B1DEGQ000037	TRANSISTOR	
Q9604	2SB0710AWL	TRANSISTOR	
Q9605	2SB0710AWL	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q9606	TYPQ9606VKC8	TRANSISTOR	
Q9607	B1CERQ000036	TRANSISTOR	
Q9608	2SB0710AWL	TRANSISTOR	
Q9609	2SB0710AWL	TRANSISTOR	
Q9610	TYPQ9610VKC8	TRANSISTOR	
Q9611	B1CERQ000036	TRANSISTOR	
Q9612	2SD1819A	TRANSISTOR	
Q9614	B1DEGQ000037	TRANSISTOR	
Q9615	B1DEGQ000037	TRANSISTOR	
		[DIODES]	
D2000	B0JCPD000026	DIODE	
D2501	MA152WK	DIODE	
D2502	MA152WK	DIODE	
D2503	MA157A	DIODE	
D2504	MA157A	DIODE	
D2505	MA157A	DIODE	
D2506	MA157A	DIODE	
D2507	MA157A	DIODE	
D2508	MA157A	DIODE	
D2509	MA157A	DIODE	
D2510	MA157A	DIODE	
D2511	LNJ308G8TRA	LED	
D2512	LNJ308G8TRA	LED	
D2513	LNJ308G8TRA	LED	
D2514	LNJ308G8TRA	LED	
D2517	LNJ308G8TRA	LED	
D2518	LNJ308G8TRA	LED	
D2519	LNJ308G8TRA	LED	
D2520	LNJ308G8TRA	LED	
D2525	LNJ308G8TRA	LED	
D2526	LNJ308G8TRA	LED	
D3001	MA157A	DIODE	
D3002	MA157A	DIODE	
D3003	MA157A	DIODE	
D3004	MA157A	DIODE	
D3005	MA157A	DIODE	
D3006	MA157A	DIODE	
D3013	EZJZ0V80008B	VARISTOR	
D3014	EZJZ0V80008B	VARISTOR	
D3015	MA157A	DIODE	
D3016	MA157A	DIODE	
D3017	MA157A	DIODE	
D3018	MA157A	DIODE	
D3019	MA157A	DIODE	
D3020	MA157A	DIODE	
D3021	MA157A	DIODE	
D3022	MA157A	DIODE	
D3023	MA157A	DIODE	
D3024	MA157A	DIODE	
D3025	MA157A	DIODE	
D3026	MA157A	DIODE	
D3027	MA157A	DIODE	
D3028	MA157A	DIODE	
D3029	MA152WK	DIODE	
D3030	MA152WK	DIODE	
D3031	MA152WK	DIODE	
D3032	MA152WK	DIODE	
D3033	MA152WA	DIODE	
D3034	MA152WA	DIODE	
D3035	MA157A	DIODE	
D3036	MA157A	DIODE	
D3040	MA2Z72000L	DIODE	
D3041	EZAEG2A50AX	DIODE	
D3042	EZAEG2A50AX	DIODE	
D3043	MA2Z72000L	DIODE	
D3044	EZAEG2A50AX	DIODE	
D3045	EZAEG2A50AX	DIODE	
D3046	MAZ30560ML	DIODE	
D3047	EZAEG2A50AX	DIODE	
D3048	EZAEG2A50AX	DIODE	
D3049	EZAEG2A50AX	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D3050	EZAEG2A50AX	DIODE	
D3051	EZJZ0V171AA	VARISTOR	
D3052	EZJZ0V171AA	VARISTOR	
D3053	EZJZ0V171AA	VARISTOR	
D3054	MA152WK	DIODE	
D6001	MA152WK	DIODE	
D6002	MA152WK	DIODE	
D6003	MA3062M	ZENER DIODE	
D6004	MA152WK	DIODE	
D6005	MA152WK	DIODE	
D6007	MA152WK	DIODE	
D6008	MA152WK	DIODE	
D6009	LNJ107W5ARA1	LED	
D6010	LNJ308G8TRA	LED	
D6011	LNJ308G8TRA	LED	
D6012	MA3062M	ZENER DIODE	
D6013	MA3062M	ZENER DIODE	
D6014	MA3062M	ZENER DIODE	
D6015	MA3062M	ZENER DIODE	
D6016	MA3062M	ZENER DIODE	
D6017	MA3062M	ZENER DIODE	
D6018	MA3062M	ZENER DIODE	
D6019	MA3062M	ZENER DIODE	
D6201	MA152WK	DIODE	
D6202	MA152WK	DIODE	
D6203	MA152WK	DIODE	
D6204	MA152WK	DIODE	
D6205	MA152WK	DIODE	
D6206	MA152WK	DIODE	
D6207	MA152WK	DIODE	
D6208	MA152WK	DIODE	
D6501	B0JCPD000026	DIODE	
D6502	B0JCPD000026	DIODE	
D6503	B0JCPD000026	DIODE	
D6504	B0JCPD000026	DIODE	
D6505	B0JCPD000026	DIODE	
D6507	MA3X15300L	DIODE	
D6508	MA152WK	DIODE	
D6509	MA704A	DIODE	
D6510	MA152WK	DIODE	
D6511	MA152WK	DIODE	
D6512	B0JCPD000026	DIODE	
D6513	B0JCPD000026	DIODE	
D6515	B0JCPD000026	DIODE	
D6516	B0JCPD000026	DIODE	
D6517	B0JCPD000026	DIODE	
D6518	MA6X12500L	DIODE	
D6523	B0JCPD000026	DIODE	
D6524	B0JCPD000026	DIODE	
D6525	B0JCPD000026	DIODE	
D6527	MA6X12500L	DIODE	
D6528	MA6X12500L	DIODE	
D6531	B0JCPD000026	DIODE	
D6532	B0JCPD000026	DIODE	
D6533	B0JCPD000026	DIODE	
D6605	B0JCPD000026	DIODE	
D6801	B0JCPD000026	DIODE	
D6802	B0JCPD000026	DIODE	
D6805	B0JCPD000026	DIODE	
D9601	B0HASR000006	DIODE	
D9602	MA2Z72000L	DIODE	
D9604	MA158TX	DIODE	
D9605	MA2Z72000L	DIODE	
D9606	MA158TX	DIODE	
D9607	MA2Z72000L	DIODE	
D9608	MA158TX	DIODE	
D9609	MA2Z72000L	DIODE	
D9611	MA158TX	DIODE	
D9612	MA2Z72000L	DIODE	
D9613	B0EAJV000002	DIODE	
D9614	B0EAJV000002	DIODE	
D9616	B0EHP000003	DIODE	
D9617	MA2Z72000L	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D9618	MA2Z72000L	DIODE	
D9619	MA2Z72000L	DIODE	
D9620	MA2Z72000L	DIODE	
D9621	MA2Z72000L	DIODE	
D9622	BOEHP000003	DIODE	
D9623	BOEHP000003	DIODE	
D9624	MA2Z72000L	DIODE	
D9625	MA2Z72000L	DIODE	
D9626	MA2Z72000L	DIODE	
D9627	MA2Z72000L	DIODE	
D9628	MA2Z72000L	DIODE	
D9629	BOEHP000003	DIODE	
D9650	BOEAKB000004	DIODE	
D9651	MAZ30910ML	DIODE	
D9652	BOEHP000003	DIODE	
D9653	BOEHP000003	DIODE	
[COILS]			
L2001	JOJHC0000078	FILTER	
L2002	JOJHC0000078	FILTER	
L2009	JOJHC0000078	FILTER	
L2010	GLC180MA0100	COIL	
L2011	ELJFA470JFB	FILTER	
L2012	JOJHC0000078	FILTER	
L2013	JOJHC0000078	FILTER	
L2014	JOJJC0000022	EMI FILTER	
L2015	JOJJC0000022	EMI FILTER	
L2501	JOJHC0000078	FILTER	
L2502	GLC100K00031	INDUCTOR	
L2503	JOJHC0000078	FILTER	
L3001	JOJDC0000081	FILTER	
L3004	ELJFA470JFB	FILTER	
L3006	JOJHC0000068	FILTER	
L3007	JOJHC0000068	FILTER	
L3008	ELJFA470JFB	FILTER	
L3013	ELJFA470JFB	FILTER	
L3014	ELJFA470JFB	FILTER	
L3015	ELJFA470JFB	FILTER	
L3020	JOJHC0000078	FILTER	
L3021	JOJHC0000078	FILTER	
L3022	JOJHC0000078	FILTER	
L3023	JOJHC0000078	FILTER	
L3024	JOJHC0000078	FILTER	
L3025	JOJHC0000078	FILTER	
L3026	JOJHC0000078	FILTER	
L3027	JOJHC0000078	FILTER	
L3028	JOJDC0000081	FILTER	
L3029	JOJHC0000078	FILTER	
L3032	JOJDC0000081	FILTER	
L3033	JOJHC0000078	FILTER	
L3034	JOJHC0000078	FILTER	
L3035	JOJHC0000078	FILTER	
L3036	JOJHC0000078	FILTER	
L3037	JOJHC0000078	FILTER	
L3042	JOJHC0000078	FILTER	
L3043	JOJHC0000078	FILTER	
L3046	JOJHC0000078	FILTER	
L3047	JOJHC0000078	FILTER	
L3048	ELJFA470JFB	FILTER	
L3049	ELJFA470JFB	FILTER	
L3051	GLC2R2MA0061	INDUCTOR	
L3053	GLC3R3MA0061	INDUCTOR	
L3054	JOJHC0000078	FILTER	
L6001	ELJFA6R8JFB	COIL	
L6501	GLC470M00022	INDUCTOR	
L6502	GLC470M00022	INDUCTOR	
L6503	GLC470M00022	INDUCTOR	
L6504	GLC470M00022	INDUCTOR	
L6507	JOJHC0000078	FILTER	
L6508	JOJHC0000078	FILTER	
L6509	JOJCC0000168	FILTER	
L6510	JOJCC0000168	FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
L6511	JOJCC0000168	FILTER	
L6512	JOJHC0000078	FILTER	
L6513	JOJCC0000168	FILTER	
L6514	JOJCC0000168	FILTER	
L6516	JOJHC0000078	FILTER	
L6517	JOJHC0000078	FILTER	
L6519	JOJCC0000168	FILTER	
L6520	JOJCC0000168	FILTER	
L6521	JOJCC0000168	FILTER	
L6522	JOJCC0000168	FILTER	
L6523	JOJCC0000168	FILTER	
L6524	JOJCC0000168	FILTER	
L6525	JOJHC0000078	FILTER	
L6526	JOJHC0000078	FILTER	
L6527	JOJHC0000078	FILTER	
L6528	JOJHC0000078	FILTER	
L6529	JOJHC0000078	FILTER	
L6530	JOJHC0000078	FILTER	
L6531	JOJHC0000078	FILTER	
L6532	GLC330M00016	INDUCTOR	
L6533	GLC330M00016	INDUCTOR	
L6538	JOJHC0000078	FILTER	
L6539	JOJHC0000078	FILTER	
L6541	JOJHC0000078	FILTER	
L6801	GLC470M00022	INDUCTOR	
L6802	GLC470M00022	INDUCTOR	
L6809	JOJCC0000168	FILTER	
L6810	JOJCC0000168	FILTER	
L6821	JOJCC0000168	FILTER	
L6822	JOJCC0000168	FILTER	
L6823	JOJCC0000168	FILTER	
L6824	JOJCC0000168	FILTER	
L6825	JOJHC0000078	FILTER	
L6826	JOJHC0000078	FILTER	
L6828	JOJHC0000078	FILTER	
L6829	JOJHC0000078	FILTER	
L6832	JOJCC0000168	FILTER	
L6839	JOJHC0000078	FILTER	
L6841	JOJHC0000078	FILTER	
L9603	G4BYA0000009	PULSE TRANS	
FL2000	FLJ1A1050020	FILTER	
FL2001	FLJ1A1050020	FILTER	
FL2500	FLJ1A1050020	FILTER	
FL2501	JOHAAB000036	FILTER	
FL2502	JOHAAB000036	FILTER	
FL2503	JOHAAB000040	FILTER	
FL2504	JOHAAB000040	FILTER	
FL2505	JOHAAB000036	FILTER	
FL2507	JOHAAB000040	FILTER	
FL2508	JOHAAB000040	FILTER	
FL2509	JOHAAB000036	FILTER	
FL2510	JOHAAB000040	FILTER	
FL2511	JOHAAB000036	FILTER	
FL2512	JOHAAB000036	FILTER	
FL2514	JOHAAB000040	FILTER	
FL2515	JOHAAB000036	FILTER	
FL2516	JOHAAB000040	FILTER	
FL2517	JOHAAB000036	FILTER	
FL2518	JOHAAB000036	FILTER	
FL2519	JOHAAB000036	FILTER	
FL2520	JOHAAB000036	FILTER	
FL2521	JOHAAB000036	FILTER	
FL2522	JOHAAB000036	FILTER	
FL2523	JOHAAB000036	FILTER	
FL2524	JOHAAB000040	FILTER	
FL2525	JOHAAB000040	FILTER	
FL2526	JOHAAB000036	FILTER	
FL2527	JOHAAB000036	FILTER	
FL2528	JOHAAB000036	FILTER	
FL2529	JOHAAB000036	FILTER	
FL2530	JOHAAB000040	FILTER	
FL2531	JOHAAB000040	FILTER	
FL2532	JOHAAB000036	FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
FL2533	J0HAAB000040	FILTER	
FL2534	J0HAAB000040	FILTER	
FL2535	J0HAAB000040	FILTER	
FL2536	J0HAAB000040	FILTER	
FL2537	J0HAAB000036	FILTER	
FL2538	J0HAAB000036	FILTER	
FL2539	J0HAAB000036	FILTER	
FL2540	J0HAAB000036	FILTER	
FL3001	J0HABC000009	FILTER	
FL3002	J0HABC000009	FILTER	
FL3003	J0HABC000009	FILTER	
FL3004	J0HABC000009	FILTER	
FL3005	F1J1A1050020	FILTER	
FL3006	F1J1A1050020	FILTER	
FL3007	F1J1A1050020	FILTER	
FL3008	F1J1A1050020	FILTER	
FL3009	F1J1A1050020	FILTER	
FL3010	F1J1A1050020	FILTER	
FL3011	F1J1E1040022	CAPACITOR	
FL3012	F1J1A1050020	FILTER	
FL3013	F1J1A1050020	FILTER	
FL3014	F1J1E1040022	CAPACITOR	
FL3015	F1J1A1050020	FILTER	
FL3016	F1J1A1050020	FILTER	
FL3017	F1J1A1050020	FILTER	
FL3018	F1J1A1050020	FILTER	
FL3019	F1J1E1040022	CAPACITOR	
FL3020	J0HABC000011	FILTER	
FL3021	J0HABC000011	FILTER	
FL3022	J0HABC000011	FILTER	
FL3023	J0HABC000009	FILTER	
FL3024	J0HABC000009	FILTER	
FL3025	J0HABC000011	FILTER	
FL3026	J0HABC000011	FILTER	
FL3027	J0HABC000011	FILTER	
FL3028	J0HABC000009	FILTER	
FL3029	J0HABC000009	FILTER	
FL3030	J0HAAB000036	FILTER	
FL3031	J0HAAB000036	FILTER	
FL3032	J0HAAB000036	FILTER	
FL3033	J0HAAB000036	FILTER	
FL6013	ELKE101FA	EMI FILTER	
FL6014	ELKE101FA	EMI FILTER	
FL6015	ELKE101FA	EMI FILTER	
FL6016	ELKE101FA	EMI FILTER	
FL6017	J0HAAB000036	FILTER	
FL6018	J0HAAB000036	FILTER	
FL6019	J0HAAB000036	FILTER	
FL6020	J0HAAB000036	FILTER	
FL6021	J0HAAB000036	FILTER	
FL6024	J0HAAB000036	FILTER	
FL6025	J0HAAB000036	FILTER	
FL6026	F1J1A1050020	FILTER	
FL6027	J0HAAB000036	FILTER	
FL6028	J0HAAB000036	FILTER	
FL6029	J0HAAB000036	FILTER	
FL6030	J0HAAB000036	FILTER	
FL6031	J0HAAB000036	FILTER	
FL6032	J0HAAB000040	FILTER	
FL6033	J0HAAB000040	FILTER	
FL6034	J0HAAB000036	FILTER	
FL6035	J0HAAB000036	FILTER	
FL6036	J0HAAB000036	FILTER	
FL6037	J0HAAB000036	FILTER	
FL6038	J0HAAB000036	FILTER	
FL6039	J0HAAB000040	FILTER	
FL6040	J0HAAB000040	FILTER	
FL6041	F1J1A1050020	FILTER	
FL6042	J0HAAB000040	FILTER	
FL6043	J0HAAB000040	FILTER	
FL6044	F1J1A1050020	FILTER	
FL6045	J0HAAB000040	FILTER	
FL6046	J0HAAB000040	FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
FL6047	J0HAAB000036	FILTER	
FL6048	J0HAAB000036	FILTER	
FL6049	J0HAAB000036	FILTER	
FL6050	J0HAAB000040	FILTER	
FL6051	J0HAAB000040	FILTER	
FL6052	J0HAAB000040	FILTER	
FL6053	J0HAAB000040	FILTER	
FL6054	F1J1A1050020	FILTER	
FL6056	J0HAAB000040	FILTER	
FL6057	J0HAAB000040	FILTER	
FL6058	J0HAAB000040	FILTER	
FL6059	J0HAAB000040	FILTER	
FL6060	J0HAAB000040	FILTER	
FL6061	J0HAAB000040	FILTER	
FL6062	J0HAAB000040	FILTER	
FL6063	J0HAAB000040	FILTER	
FL6064	J0HAAB000040	FILTER	
FL6065	J0HAAB000040	FILTER	
FL6066	J0HAAB000040	FILTER	
FL6067	J0HAAB000040	FILTER	
FL6068	J0HAAB000040	FILTER	
FL6069	J0HAAB000040	FILTER	
FL6070	J0HAAB000040	FILTER	
FL6071	J0HAAB000040	FILTER	
FL6072	J0HAAB000040	FILTER	
FL6073	J0HAAB000040	FILTER	
FL6074	J0HAAB000040	FILTER	
FL6075	J0HAAB000040	FILTER	
FL6076	J0HAAB000040	FILTER	
FL6077	J0HAAB000040	FILTER	
FL6078	J0HAAB000040	FILTER	
FL6079	J0HAAB000040	FILTER	
FL6080	J0HAAB000036	FILTER	
FL6081	J0HAAB000036	FILTER	
FL6506	F1J1E1040022	CAPACITOR	
FL6507	F1J1E1040022	CAPACITOR	
FL6509	F1J1E1040022	CAPACITOR	
FL6510	F1J1E1040022	CAPACITOR	
FL6511	F1J1E1040022	CAPACITOR	
FL6512	F1J1E1040022	CAPACITOR	
FL6513	F1J1E1040022	CAPACITOR	
FL6516	F1J1E1040022	CAPACITOR	
FL6519	F1J1E1040022	CAPACITOR	
FL6520	F1J1E1040022	CAPACITOR	
FL6521	F1J1E1040022	CAPACITOR	
FL6522	F1J1E1040022	CAPACITOR	
FL6523	F1J1E1040022	CAPACITOR	
FL6524	F1J1E1040022	CAPACITOR	
FL6525	F1J1E1040022	CAPACITOR	
FL6526	F1J1E1040022	CAPACITOR	
FL6527	F1J1E1040022	CAPACITOR	
FL6528	F1J1E1040022	CAPACITOR	
FL6529	F1J1E1040022	CAPACITOR	
FL6530	F1J1E1040022	CAPACITOR	
FL6531	F1J1E1040022	CAPACITOR	
FL6532	F1J1E1040022	CAPACITOR	
FL6533	F1J1E1040022	CAPACITOR	
FL6534	F1J1E1040022	CAPACITOR	
FL6809	F1J1E1040022	CAPACITOR	
FL6811	F1J1E1040022	CAPACITOR	
FL6817	ELKE101FA	EMI FILTER	
FL6818	ELKE101FA	EMI FILTER	
FL6819	F1J1E1040022	CAPACITOR	
FL6820	F1J1E1040022	CAPACITOR	
FL6822	F1J1E1040022	CAPACITOR	
[RESISTORS]			
R2001	D1HG33080001	RESISTOR	
R2002	D1HG33080001	RESISTOR	
R2003	D1HG33080001	RESISTOR	
R2004	D1HG33080001	RESISTOR	
R2005	D1HG33080001	RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R2006	DIHG33080001	RESISTOR	
R2007	DIHG1528A002	RESISTOR	
R2008	DIHG1528A002	RESISTOR	
R2009	DIHG1528A002	RESISTOR	
R2010	DIHG1528A002	RESISTOR	
R2011	DIHG1528A002	RESISTOR	
R2012	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2013	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2014	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2015	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2016	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2017	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2018	DIHG1528A002	RESISTOR	
R2019	EXB28V220J	RESISTOR ARRAY	
R2020	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2021	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2022	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2023	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2024	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2025	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2026	EXB28V152J	RESISTOR ARRAY	
R2027	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2028	EXB28V330J	RESISTOR ARRAY	
R2029	DIHG2208A002	RESISTOR	
R2030	DIHG2208A002	RESISTOR	
R2031	DIHG2208A002	RESISTOR	
R2032	DIHG2208A002	RESISTOR	
R2033	EXB28V220J	RESISTOR ARRAY	
R2034	DIHG2208A002	RESISTOR	
R2035	EXB28V220J	RESISTOR ARRAY	
R2036	DIHG2208A002	RESISTOR	
R2037	EXB28V220J	RESISTOR ARRAY	
R2038	EXB28V220J	RESISTOR ARRAY	
R2057	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2058	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2059	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2062	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2064	EXB28V220J	RESISTOR ARRAY	
R2065	EXB28V220J	RESISTOR ARRAY	
R2066	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2067	EXB28V220J	RESISTOR ARRAY	
R2068	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2069	EXB28V472J	RESISTOR ARRAY	
R2070	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2071	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2073	DIHG2208A002	RESISTOR	
R2074	DIHG2208A002	RESISTOR	
R2075	DIHG2208A002	RESISTOR	
R2076	DIHG2208A002	RESISTOR	
R2077	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R2080	ERJ3GEYJ0R00	M 0 OHM, 1/16W	
R2083	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2084	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2085	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2086	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2101	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2102	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2103	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2104	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2105	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2106	EXB28V330J	RESISTOR ARRAY	
R2109	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R2110	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R2111	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R2120	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2125	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2126	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2127	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2128	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2129	ERJ3GEYJ0R00	M 0 OHM, 1/16W	
R2130	EXB28V472J	RESISTOR ARRAY	
R2134	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2136	ERJ2GE0R00X	M 0 OHM, 0.063W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2150	ERJ2GE0R00X	M 0 OHM, 0.063W	
R2155	EXB28V472J	RESISTOR ARRAY	
R2157	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R2162	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R2163	DIHG2208A002	RESISTOR	
R2164	DIHG2208A002	RESISTOR	
R2165	DIHG2208A002	RESISTOR	
R2166	DIHG2208A002	RESISTOR	
R2167	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R2168	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R2169	EXB28V100J	RESISTOR ARRAY	
R2170	EXB28V100J	RESISTOR ARRAY	
R2171	EXB28V100J	RESISTOR ARRAY	
R2172	EXB28V100J	RESISTOR ARRAY	
R2173	EXB28V100J	RESISTOR ARRAY	
R2174	ERJ3EKF56R0	RESISTOR	
R2175	ERJ3EKF56R0	RESISTOR	
R2176	ERJ3EKF56R0	RESISTOR	
R2177	ERJ3EKF56R0	RESISTOR	
R2178	ERJ3EKF22R0	RESISTOR	
R2179	ERJ3EKF22R0	RESISTOR	
R2180	ERJ3EKF56R0	RESISTOR	
R2181	ERJ3EKF56R0	RESISTOR	
R2182	ERJ3EKF56R0	RESISTOR	
R2183	ERJ3EKF56R0	RESISTOR	
R2184	ERJ3EKF22R0	RESISTOR	
R2185	ERJ3EKF22R0	RESISTOR	
R2186	EXB28V390JX	RESISTOR ARRAY	
R2187	EXB28V390JX	RESISTOR ARRAY	
R2188	EXB28V390JX	RESISTOR ARRAY	
R2189	EXB28V390JX	RESISTOR ARRAY	
R2190	EXB28V390JX	RESISTOR ARRAY	
R2191	EXB28V390JX	RESISTOR ARRAY	
R2192	EXB28V390JX	RESISTOR ARRAY	
R2193	EXB28V390JX	RESISTOR ARRAY	
R2194	EXB28V390JX	RESISTOR ARRAY	
R2195	EXB28V390JX	RESISTOR ARRAY	
R2196	EXB28V390JX	RESISTOR ARRAY	
R2197	EXB28V390JX	RESISTOR ARRAY	
R2198	EXB28V390JX	RESISTOR ARRAY	
R2199	EXB28V390JX	RESISTOR ARRAY	
R2200	EXB28V390JX	RESISTOR ARRAY	
R2201	EXB28V390JX	RESISTOR ARRAY	
R2202	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2203	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2204	ERJ3EKF56R0	RESISTOR	
R2205	ERJ3EKF56R0	RESISTOR	
R2206	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2207	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2208	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2209	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2210	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2211	ERJ3EKF1000	M 100 OHM, 1/16W	
R2212	ERJ3EKF1000	M 100 OHM, 1/16W	
R2213	ERJ3EKF1000	M 100 OHM, 1/16W	
R2214	ERJ3EKF1000	M 100 OHM, 1/16W	
R2215	EXB38V680JV	RESISTOR ARRAY	
R2216	EXB38V680JV	RESISTOR ARRAY	
R2217	EXB38V680JV	RESISTOR ARRAY	
R2218	EXB38V680JV	RESISTOR ARRAY	
R2219	EXB38V680JV	RESISTOR ARRAY	
R2220	EXB38V680JV	RESISTOR ARRAY	
R2221	EXB38V680JV	RESISTOR ARRAY	
R2222	EXB38V680JV	RESISTOR ARRAY	
R2223	EXB38V680JV	RESISTOR ARRAY	
R2224	EXB38V680JV	RESISTOR ARRAY	
R2225	EXB38V680JV	RESISTOR ARRAY	
R2226	EXB38V680JV	RESISTOR ARRAY	
R2227	ERJ3EKF56R0	RESISTOR	
R2228	ERJ3EKF56R0	RESISTOR	
R2229	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2230	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2231	ERJ3GEYJ680	M 68 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2232	ERJ3GEYJ680	M 68 OHM, J, 1/16W	
R2233	ERJ3EKF1000	M 100 OHM, 1/16W	
R2234	ERJ3EKF1000	M 100 OHM, 1/16W	
R2235	ERJ3EKF1000	M 100 OHM, 1/16W	
R2236	ERJ3EKF1000	M 100 OHM, 1/16W	
R2237	EXB38V680JV	RESISTOR ARRAY	
R2238	EXB38V680JV	RESISTOR ARRAY	
R2239	EXB38V680JV	RESISTOR ARRAY	
R2240	EXB38V680JV	RESISTOR ARRAY	
R2241	EXB38V680JV	RESISTOR ARRAY	
R2242	EXB38V680JV	RESISTOR ARRAY	
R2243	EXB38V680JV	RESISTOR ARRAY	
R2244	EXB38V680JV	RESISTOR ARRAY	
R2245	EXB28VR000	RESISTOR ARRAY	
R2246	ERJ2GEOR00X	M 0 OHM, 0.063W	
R2247	ERJ2GEOR00X	M 0 OHM, 0.063W	
R2248	EXB28VR000	RESISTOR ARRAY	
R2249	ERJ2GEOR00X	M 0 OHM, 0.063W	
R2501	ERJ3GEYJ820	METAL OXIDE RESISTOR	
R2502	ERJ3GEYJ820	METAL OXIDE RESISTOR	
R2507	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2508	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2509	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2510	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2511	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2512	EXB38V472J	RESISTOR ARRAY	
R2513	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2514	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2515	EXB38V472J	RESISTOR ARRAY	
R2516	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2517	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2518	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2519	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2520	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2521	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2522	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2523	EXB38V472J	RESISTOR ARRAY	
R2524	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2525	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2526	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2527	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2528	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2529	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2530	EXB38V472J	RESISTOR ARRAY	
R2531	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2532	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2533	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2534	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2535	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2536	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2537	D1HG33080001	RESISTOR	
R2538	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2539	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2542	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2543	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2544	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2545	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2546	EXB28V330J	RESISTOR ARRAY	
R2547	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2548	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2549	D1HG33080001	RESISTOR	
R2550	D1HG33080001	RESISTOR	
R2551	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2552	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2554	ERJ3GEYJ153	M 15K OHM, J, 1/16W	
R2555	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2556	ERJ3GEYJ820	METAL OXIDE RESISTOR	
R2557	ERJ3GEYJ271	M 270 OHM, J, 1/16W	
R2562	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2563	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2564	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2565	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2567	EXB38V220J	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R2569	EXB38V220J	RESISTOR ARRAY	
R2570	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2572	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2573	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2574	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2575	ERJ3GEYJ184	M 180KOHM, J, 1/16W	
R2576	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R2577	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2580	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2582	D1HG33080001	RESISTOR	
R2583	D1HG33080001	RESISTOR	
R2584	D1HG33080001	RESISTOR	
R2585	D1HG33080001	RESISTOR	
R2588	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2590	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2591	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2592	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2595	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2597	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2598	EXB38V102J	RESISTOR ARRAY	
R2599	D1HG33080001	RESISTOR	
R2600	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2601	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2602	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2603	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2604	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2605	D1HG33080001	RESISTOR	
R2606	D1HG33080001	RESISTOR	
R2607	D1HG33080001	RESISTOR	
R2608	D1HG33080001	RESISTOR	
R2609	EXB38V220J	RESISTOR ARRAY	
R2610	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2611	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2612	EXB38V220J	RESISTOR ARRAY	
R2613	D1HG33080001	RESISTOR	
R2614	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2615	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2616	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	
R2617	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R2618	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2619	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2621	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2622	D1HG33080001	RESISTOR	
R2623	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2624	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2625	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2626	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2627	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2628	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2629	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2630	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2631	EXB38V220J	RESISTOR ARRAY	
R2632	EXB38V220J	RESISTOR ARRAY	
R2633	EXB28V330J	RESISTOR ARRAY	
R2634	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2635	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2636	EXB38V220J	RESISTOR ARRAY	
R2637	EXB38V220J	RESISTOR ARRAY	
R2638	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2639	EXB38V220J	RESISTOR ARRAY	
R2640	EXB38V220J	RESISTOR ARRAY	
R2641	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2642	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2643	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R2644	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2645	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2646	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2647	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2648	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2649	EXB38V220J	RESISTOR ARRAY	
R2650	EXB38V220J	RESISTOR ARRAY	
R2651	EXB38V220J	RESISTOR ARRAY	
R2652	EXB38V220J	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R2653	EXB38V220J	RESISTOR ARRAY	
R2654	EXB38V220J	RESISTOR ARRAY	
R2655	EXB38V220J	RESISTOR ARRAY	
R2656	EXB38V220J	RESISTOR ARRAY	
R2657	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2658	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2659	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2660	ERJ3EKF2202	RESISTOR	
R2661	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2662	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2663	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2664	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2665	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2666	ERJ3EKF2701	M 2.7KOHM, 1/16W	
R2667	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2668	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2669	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2670	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2671	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2672	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2673	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2674	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2675	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2676	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2677	ERJ3GEYJ392	M 3.9KOHM, J, 1/16W	
R2678	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2679	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2680	ERJ3EKF2202	RESISTOR	
R2681	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2682	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2683	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2684	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2685	ERJ3GEYJ821	M 8.2KOHM, J, 1/16W	
R2686	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2687	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2688	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2689	ERJ3EKF2202	RESISTOR	
R2690	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2691	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2692	ERJ3EKF2202	RESISTOR	
R2693	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2694	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2695	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2696	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2697	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2698	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2699	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2700	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2701	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2702	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2703	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2704	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2705	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2706	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2707	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2708	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2709	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2710	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2711	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2712	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2713	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2716	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2717	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2718	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2719	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2720	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2721	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2722	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2723	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2724	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2725	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2726	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2727	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2728	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2729	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2730	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2731	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2732	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2733	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2734	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2735	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2736	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2737	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2738	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2739	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2740	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2741	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2742	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2743	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2744	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2745	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2746	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2747	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2748	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2749	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2750	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2751	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2752	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2753	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2754	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2755	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2756	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2757	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2758	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2759	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2760	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2761	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2762	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2763	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2764	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2765	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2766	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2767	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2768	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2769	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2770	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2771	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2772	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2773	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2774	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2775	ERJ3GEYJ681	M 680 OHM, J, 1/16W	
R2776	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2777	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2778	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2779	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2780	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2781	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2782	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2783	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2784	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2785	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2786	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2787	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2788	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2789	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2790	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2791	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2792	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2793	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2794	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R2795	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2798	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2801	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2802	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2803	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2804	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2805	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2806	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2807	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2808	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2809	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2810	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2811	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2812	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2813	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2814	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2815	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2816	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2817	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2818	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2819	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2820	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2821	ERJ3GEYJ821	M 820 OHM,J,1/16W	
R2822	ERJ3GEYJ821	M 820 OHM,J,1/16W	
R2823	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2824	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2825	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2826	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2827	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2828	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2829	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2830	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2831	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2832	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2833	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2834	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2835	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2836	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2837	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2838	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2839	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2840	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2841	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2842	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2843	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2844	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2845	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2846	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2847	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2848	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2849	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2850	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2851	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2852	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2853	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2854	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2855	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2856	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2857	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2858	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2859	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2860	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2861	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2862	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2863	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2864	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2865	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2866	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2867	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R2868	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R2872	ERJ3GEYJ271	M 270 OHM,J,1/16W	
R2873	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2874	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2890	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2891	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2892	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2893	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3001	ERJ6ENF1500	M 150 OHM, 1/10W	
R3002	ERJ6ENF1500	M 150 OHM, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3003	ERJ6ENF1500	M 150 OHM, 1/10W	
R3004	ERJ3EKF1500	M 150 OHM, 0.063W	
R3005	ERJ3EKF1500	M 150 OHM, 0.063W	
R3006	ERJ6ENF1500	M 150 OHM, 1/10W	
R3007	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R3008	ERJ6ENF1500	M 150 OHM, 1/10W	
R3009	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3010	ERJ6ENF1500	M 150 OHM, 1/10W	
R3011	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3012	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3014	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3016	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3017	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3018	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3020	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R3022	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3023	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3024	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3025	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3026	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3027	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3029	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R3030	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R3031	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3032	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3033	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3038	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3039	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3040	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R3041	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3042	ERJ3EKF1200	M 120 OHM, 0.063W	
R3043	ERJ3GEYJ153	M 15K OHM,J,1/16W	
R3044	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R3045	ERJ3EKF1200	M 120 OHM, 0.063W	
R3046	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3048	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3050	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3051	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3052	ERJ3EKF4700	M 470 OHM, 0.063W	
R3053	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3054	ERJ3EKF4700	M 470 OHM, 0.063W	
R3055	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3056	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R3057	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3058	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3059	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3060	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3061	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3062	EXB38V820J	RESISTOR ARRAY	
R3063	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3064	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3065	ERJ3EKF1500	M 150 OHM, 0.063W	
R3066	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3067	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3068	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3069	EXB38V820J	RESISTOR ARRAY	
R3070	EXB38V820J	RESISTOR ARRAY	
R3071	EXB38V820J	RESISTOR ARRAY	
R3072	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3073	EXB38VR000	RESISTOR ARRAY	
R3074	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3075	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3076	EXB38VR000	RESISTOR ARRAY	
R3077	EXB38V330J	RESISTOR ARRAY	
R3078	EXB38VR000	RESISTOR ARRAY	
R3080	EXB38V330J	RESISTOR ARRAY	
R3081	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3082	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3083	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3084	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3085	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3086	EXB38V330J	RESISTOR ARRAY	
R3088	ERJ3GEYJ220	M 22 OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3089	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3090	EXB38V330J	RESISTOR ARRAY	
R3091	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3092	ERJ3GEYJ391	M 390 OHM, J, 1/16W	
R3093	EXB38V330J	RESISTOR ARRAY	
R3094	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3095	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3096	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3099	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3100	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R3101	ERJ3GEYJ301	M 300 OHM, J, 1/16W	
R3103	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3104	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3106	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3107	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3108	ERJ6GEYJ271	M 270 OHM, J, 1/10W	
R3109	ERJ6GEYJ271	M 270 OHM, J, 1/10W	
R3110	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3111	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3112	ERJ6ENF1500	M 150 OHM, 1/10W	
R3113	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3114	ERJ6ENF1500	M 150 OHM, 1/10W	
R3115	ERJ6ENF1500	M 150 OHM, 1/10W	
R3116	ERJ6ENF1500	M 150 OHM, 1/10W	
R3117	ERJ6ENF1500	M 150 OHM, 1/10W	
R3118	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3119	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3120	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3121	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3122	ERJ6ENF1500	M 150 OHM, 1/10W	
R3123	ERJ6ENF1500	M 150 OHM, 1/10W	
R3124	ERJ6ENF1500	M 150 OHM, 1/10W	
R3125	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3126	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3127	ERJ6ENF1500	M 150 OHM, 1/10W	
R3128	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3129	ERJ6ENF1500	M 150 OHM, 1/10W	
R3130	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3131	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3132	ERJ6ENF1500	M 150 OHM, 1/10W	
R3133	ERJ6ENF1500	M 150 OHM, 1/10W	
R3134	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3135	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3136	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3137	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3138	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3139	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3140	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3142	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3143	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3144	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3145	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3146	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3147	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3148	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3149	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3150	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3151	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3152	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3153	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3154	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3155	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3156	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3157	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3158	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3159	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3160	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3161	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3162	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3163	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3165	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3166	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3167	ERJ3GEYJ330	M 33 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3168	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3169	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3170	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3171	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3172	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3174	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3179	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3180	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3181	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3182	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3183	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3184	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3185	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3186	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3187	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3188	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3189	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3190	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3191	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3193	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3194	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3195	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R3196	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3197	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3198	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3199	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3200	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3201	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3202	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3203	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3205	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3206	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3208	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3209	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3210	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3211	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3212	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3213	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3214	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3215	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3216	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3217	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R3218	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3219	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3220	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R3221	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3222	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3224	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3226	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3227	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3228	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3231	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3232	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3233	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3234	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3235	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3236	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3240	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3241	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3242	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3243	ERJ3EKF6981	M6.98KOHM, 0.063W	
R3244	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3245	ERJ3EKF7501	M 7.5KOHM, 0.063W	
R3246	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R3247	EXB38V330J	RESISTOR ARRAY	
R3248	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3249	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3250	ERJ3EKF4121	M4.12KOHM, 0.063W	
R3251	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3252	ERJ3EKF3901	M 3.9KOHM, 0.063W	
R3253	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3254	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3255	ERJ3GEYJ102	M 1K OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3256	EXB38V330J	RESISTOR ARRAY	
R3257	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3258	EXB38V330J	RESISTOR ARRAY	
R3259	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3260	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3261	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3262	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3263	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3264	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3265	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3266	EXB38V330J	RESISTOR ARRAY	
R3267	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3268	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3270	ERJ3GEYJ821	M 820 OHM, J, 1/16W	
R3271	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3272	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3273	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3274	EXB38V330J	RESISTOR ARRAY	
R3275	EXB38V330J	RESISTOR ARRAY	
R3276	EXB38V330J	RESISTOR ARRAY	
R3277	EXB38V330J	RESISTOR ARRAY	
R3278	EXB38V330J	RESISTOR ARRAY	
R3280	ERJ3GEYJ183	M 18K OHM, J, 1/16W	
R3281	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3282	ERJ3GEYJ273	M 27KOHM, J, 1/16W	
R3283	ERJ3GEYJ183	M 18K OHM, J, 1/16W	
R3285	ERJ3GEYJ183	M 18K OHM, J, 1/16W	
R3286	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3287	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3288	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R3289	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3290	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3291	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3292	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3293	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3294	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3295	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3296	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3297	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3298	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3299	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3300	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3301	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3302	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3303	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R3304	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3305	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3306	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3307	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3308	EXB38V472J	RESISTOR ARRAY	
R3309	EXB38V472J	RESISTOR ARRAY	
R3310	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3311	ERJ3EKF3900	RESISTOR	
R3312	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3313	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3314	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3315	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3316	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3317	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3318	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3319	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3320	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3322	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3323	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3324	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3325	EXB38V330J	RESISTOR ARRAY	
R3326	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3328	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3329	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3330	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3331	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3333	D1HG33080001	RESISTOR	
R3334	D1HG33080001	RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R3335	D1HG33080001	RESISTOR	
R3336	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3337	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3338	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3339	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3340	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3342	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3343	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3346	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3352	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3353	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3354	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3355	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3356	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3358	EXB38V472J	RESISTOR ARRAY	
R3360	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3361	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3364	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3365	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3389	ERJ3GEYJ823	M 82KOHM, J, 1/16W	
R3390	ERJ3GEYJ151	M 150 OHM, J, 1/16W	
R3391	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3392	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3393	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R3394	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3395	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3396	ERJ3GEYJ301	M 300 OHM, J, 1/16W	
R3398	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3399	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R3400	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3401	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3402	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3403	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3404	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3405	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3406	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3407	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R3408	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3409	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3410	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3411	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3412	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3413	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R6001	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6002	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6004	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6005	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6006	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6007	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6008	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6009	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6010	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6011	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6012	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6013	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6014	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6015	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6016	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6017	ERJ6GEYJ330	M 33 OHM, J, 1/10W	
R6018	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R6019	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6020	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R6021	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6022	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R6023	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R6024	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R6025	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6026	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R6027	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6028	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R6029	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6030	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R6031	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R6032	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6033	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6034	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R6035	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6036	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R6037	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6038	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6039	ERJ6GEYJ2R2	M 2.2 OHM, J, 1/10W	
R6040	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R6041	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R6042	ERJ6GEYJ391	M 390 OHM, J, 1/10W	
R6043	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6044	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R6045	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R6046	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R6047	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R6050	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R6051	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R6052	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R6053	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6054	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6055	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6057	ERD25VJ1R0T	RESISTOR	
R6058	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R6059	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R6060	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6061	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6062	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6063	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6064	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6065	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6066	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R6067	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R6068	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6070	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6071	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6072	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6073	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6080	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6083	EXB38V220J	RESISTOR ARRAY	
R6084	EXB38V472J	RESISTOR ARRAY	
R6085	EXB38V472J	RESISTOR ARRAY	
R6086	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6087	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6089	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6090	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6091	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6092	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6093	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6094	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6095	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6096	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R6097	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6098	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6099	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6100	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6101	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6102	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6103	EXB38V472J	RESISTOR ARRAY	
R6104	EXB38V472J	RESISTOR ARRAY	
R6105	EXB38V220J	RESISTOR ARRAY	
R6107	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6109	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R6110	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R6114	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6115	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6116	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6117	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6118	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6119	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6120	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6121	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R6122	ERJ3GEYJ101	M 100 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R6130	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6132	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6134	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6136	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6137	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R6139	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R6140	ERJ6GEYJ330	M 33 OHM, J, 1/10W	
R6141	ERJ6GEYJ330	M 33 OHM, J, 1/10W	
R6143	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R6144	EXB38V472J	RESISTOR ARRAY	
R6145	EXB38V472J	RESISTOR ARRAY	
R6147	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6148	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6201	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6202	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R6205	EXB38V220J	RESISTOR ARRAY	
R6211	ERJ6GEYJ563	M 56KOHM, J, 1/10W	
R6212	ERJ6GEYJ563	M 56KOHM, J, 1/10W	
R6244	EXB38V472J	RESISTOR ARRAY	
R6245	EXB38V472J	RESISTOR ARRAY	
R6283	EXB38V220J	RESISTOR ARRAY	
R6503	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6504	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6505	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6506	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6509	ERJ3EKF1002	M 10KOHM, 1/16W	
R6510	ERJ3EKF1002	M 10KOHM, 1/16W	
R6511	ERJ3EKF1002	M 10KOHM, 1/16W	
R6512	ERJ3EKF1002	M 10KOHM, 1/16W	
R6514	ERJ3EKF3302	M 33KOHM, 1/16W	
R6515	ERJ3EKF3302	M 33KOHM, 1/16W	
R6516	ERJ3EKF3302	M 33KOHM, 1/16W	
R6517	ERJ3EKF3302	M 33KOHM, 1/16W	
R6524	ERJ3EKF7682	RESISTOR	
R6526	ERJ3EKF7682	RESISTOR	
R6528	ERJ3EKF7682	RESISTOR	
R6530	ERJ3EKF7682	RESISTOR	
R6545	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6546	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6547	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6548	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R6552	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6553	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6559	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R6560	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6561	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6564	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R6565	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6566	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6567	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6568	ERJ3GEYJ560	M 56 OHM, J, 1/16W	
R6570	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R6574	ERJ8ENF1501	M 1.5KOHM 1/8W	
R6575	ERJ8ENF1501	M 1.5KOHM 1/8W	
R6576	ERJ8ENF1501	M 1.5KOHM 1/8W	
R6577	ERJ6ENF7501V	RESISTOR	
R6578	ERJ6ENF2001	M 2KOHM, 1/10W	
R6579	ERJ6ENF2001	M 2KOHM, 1/10W	
R6580	ERJ6ENF2001	M 2KOHM, 1/10W	
R6581	ERJ6ENF2101	RESISTOR	
R6582	ERJ6ENF39R0	M 39 OHM, 1/10W	
R6583	ERJ6ENF2700	M 270 OHM, 1/10W	
R6584	ERJ6ENF39R0	M 39 OHM, 1/10W	
R6585	ERJ6ENF2700	M 270 OHM, 1/10W	
R6586	ERJ6ENF39R0	M 39 OHM, 1/10W	
R6587	ERJ6ENF2700	M 270 OHM, 1/10W	
R6588	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R6589	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6590	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R6591	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6592	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R6593	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R6594	ERJ3GEYJ103	M 10K OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R6595	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6596	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6597	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6598	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R6599	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R6600	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6601	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R6602	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R6603	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R6604	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R6605	ERJ3GEYJ821	M 820 OHM,J,1/16W	
R6607	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6608	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6609	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6610	ERJ3GEYJ391	M 390 OHM,J,1/16W	
R6611	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6612	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6613	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6614	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6615	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6616	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6617	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6618	ERJ3GEYJ561	M 560 OHM,J,1/16W	
R6619	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R6620	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R6621	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R6622	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6623	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R6624	ERJ3EKF5621	M5.62KOHM, 1/16W	
R6625	ERJ3EKF5903	M 590KOHM, 1/16W	
R6626	ERJ6ENF1691	M1.69KOHM, 1/10W	
R6627	ERJ3EKF3923	M 392KOHM, 1/16W	
R6628	ERJ3EKF1002	M 10KOHM, 1/16W	
R6629	ERJ3EKF3923	M 392KOHM, 1/16W	
R6630	EXB38V220J	RESISTOR ARRAY	
R6631	ERJ3EKF3923	M 392KOHM, 1/16W	
R6632	ERJ3EKF1002	M 10KOHM, 1/16W	
R6633	ERJ3EKF5621	M5.62KOHM, 1/16W	
R6634	EXB38V472J	RESISTOR ARRAY	
R6635	EXB38V220J	RESISTOR ARRAY	
R6636	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6637	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6638	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6639	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R6640	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6641	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6642	ERJ3GEYJ333	M 33K OHM,J,1/16W	
R6643	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R6644	ERJ6GEYJ471	M 470 OHM,J,1/10W	
R6645	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R6646	ERJ3GEYJ224	METAL OXIDE RESISTOR	
R6647	ERJ3GEYJ123	M 12K OHM,J,1/16W	
R6648	EXB38V472J	RESISTOR ARRAY	
R6649	EXB38V220J	RESISTOR ARRAY	
R6650	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6651	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6652	ERJ3GEYJ510	M 51 OHM,J,1/16W	
R6653	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6654	ERJ3GEY0R00	M 0 OHM, 1/16W	
R6655	ERJ3GEYJ124	M 120KOHM,J,1/16W	
R6656	ERJ3GEYJ510	M 51 OHM,J,1/16W	
R6657	ERJ3EKF7501	M 7.5KOHM, 0.063W	
R6658	ERJ3EKF2101	RESISTOR	
R6667	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R6668	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R6669	EXB38V103J	RESISTOR ARRAY	
R6695	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R6696	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R6697	EXB38V103J	RESISTOR ARRAY	
R6705	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6706	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6708	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R6709	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R6710	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6711	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6712	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6713	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6714	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6715	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6716	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6717	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6803	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6804	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6809	ERJ3EKF1002	M 10KOHM, 1/16W	
R6810	ERJ3EKF1002	M 10KOHM, 1/16W	
R6812	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6813	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6814	ERJ3EKF3302	M 33KOHM, 1/16W	
R6815	ERJ3EKF3302	M 33KOHM, 1/16W	
R6818	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6819	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6820	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6821	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6822	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6823	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R6824	ERJ3EKF7682	RESISTOR	
R6826	ERJ3EKF7682	RESISTOR	
R6831	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6832	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6833	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6834	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6835	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6836	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R6845	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6846	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6854	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6855	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R6856	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6857	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6865	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6866	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6867	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6868	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6870	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R6874	ERJ8ENF1501	M 1.5KOHM 1/8W	
R6875	ERJ8ENF1501	M 1.5KOHM 1/8W	
R6876	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R6877	ERJ6ENF7501V	RESISTOR	
R6878	ERJ6ENF2001	M 2KOHM, 1/10W	
R6879	ERJ6ENF2001	M 2KOHM, 1/10W	
R6881	ERJ6ENF2101	RESISTOR	
R6882	ERJ6ENF39R0	M 39 OHM, 1/10W	
R6883	ERJ6ENF2700	M 270 OHM, 1/10W	
R6884	ERJ6ENF39R0	M 39 OHM, 1/10W	
R6885	ERJ6ENF2700	M 270 OHM, 1/10W	
R6888	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	ERJ3GEYJ822V
R6889	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6890	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	ERJ3GEYJ822V
R6891	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R6892	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R9601	ERX2SJR47E	M 0.47OHM,J, 2W	
R9630	ERJ14YJ3R3U	M 3.3 OHM,J, 1/4W	
R9631	ERJ8GEYJ220	M 68 OHM, J,1/4W	
R9632	ERJ14YJ5R6U	M 5.6 OHM,J, 1/4W	
R9633	ERJ8GEYJ100	M 10 OHM, J,1/4W	
R9634	ERJ8GEYJ120	RESISTOR	
R9636	ERJ14YJ3R3U	M 3.3 OHM,J, 1/4W	
R9637	ERJ8GEYJ220	M 68 OHM, J,1/4W	
R9638	ERJ14YJ5R6U	M 5.6 OHM,J, 1/4W	
R9640	ERJ8GEYJ120	RESISTOR	
R9653	D0XGR10KA001	RESISTOR	
R9693	ERJ1TYJ220U	RESISTOR	
R9982	ERJ6GEYJ181	M 180 OHM,J,1/10W	D0GD181JA003
[CAPACITORS]			

Ref. No.	Part No.	Part Name & Description	Remarks
C2004	ECJ2FF1A106Z	C 10UF, 10V	
C2005	F2G1E4R70007	CAPACITOR	
C2006	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2008	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2009	ECJ0EF1C104Z	C 0.1UF, 16V	
C2010	ECJ0EF1C104Z	C 0.1UF, 16V	
C2011	ECJ0EF1C104Z	C 0.1UF, 16V	
C2012	ECJ0EF1C104Z	C 0.1UF, 16V	
C2013	ECJ0EF1C104Z	C 0.1UF, 16V	
C2014	ECJ0EF1C104Z	C 0.1UF, 16V	
C2015	ECJ0EF1C104Z	C 0.1UF, 16V	
C2016	ECJ0EF1C104Z	C 0.1UF, 16V	
C2017	ECJ0EF1C104Z	C 0.1UF, 16V	
C2018	ECJ0EF1C104Z	C 0.1UF, 16V	
C2019	ECJ0EF1C104Z	C 0.1UF, 16V	
C2020	ECJ0EF1C104Z	C 0.1UF, 16V	
C2021	ECJ0EF1C104Z	C 0.1UF, 16V	
C2022	ECJ0EF1C104Z	C 0.1UF, 16V	
C2023	ECJ0EF1C104Z	C 0.1UF, 16V	
C2024	ECJ0EF1C104Z	C 0.1UF, 16V	
C2025	ECJ0EF1C104Z	C 0.1UF, 16V	
C2026	ECJ0EF1C104Z	C 0.1UF, 16V	
C2027	ECJ0EF1C104Z	C 0.1UF, 16V	
C2028	ECJ0EF1C104Z	C 0.1UF, 16V	
C2029	ECJ0EF1C104Z	C 0.1UF, 16V	
C2030	ECJ0EF1C104Z	C 0.1UF, 16V	
C2031	ECJ0EF1C104Z	C 0.1UF, 16V	
C2032	ECJ0EF1C104Z	C 0.1UF, 16V	
C2033	ECJ0EF1C104Z	C 0.1UF, 16V	
C2034	F2H0G3300001	CAPACITOR	
C2035	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2036	F2H0J101A009	CAPACITOR	
C2037	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2038	ECJ0EF1C104Z	C 0.1UF, 16V	
C2039	ECJ0EF1C104Z	C 0.1UF, 16V	
C2040	ECJ0EF1C104Z	C 0.1UF, 16V	
C2041	ECJ0EF1C104Z	C 0.1UF, 16V	
C2042	F2G0J4700010	CAPACITOR	
C2043	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2044	ECJ0EF1C104Z	C 0.1UF, 16V	
C2045	ECJ0EF1C104Z	C 0.1UF, 16V	
C2046	ECJ0EF1C104Z	C 0.1UF, 16V	
C2047	ECJ0EF1C104Z	C 0.1UF, 16V	
C2048	ECJ0EF1C104Z	C 0.1UF, 16V	
C2049	ECJ0EF1C104Z	C 0.1UF, 16V	
C2050	ECJ0EF1C104Z	C 0.1UF, 16V	
C2051	ECJ0EF1C104Z	C 0.1UF, 16V	
C2052	ECJ0EF1C104Z	C 0.1UF, 16V	
C2053	ECJ0EF1C104Z	C 0.1UF, 16V	
C2054	F2H0J101A009	CAPACITOR	
C2055	ECJ0EF1C104Z	C 0.1UF, 16V	
C2057	ECJ0EF1C104Z	C 0.1UF, 16V	
C2058	ECJ0EF1C104Z	C 0.1UF, 16V	
C2060	ECJ0EF1C104Z	C 0.1UF, 16V	
C2061	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2062	ECJ0EF1C104Z	C 0.1UF, 16V	
C2064	ECJ0EF1C104Z	C 0.1UF, 16V	
C2066	ECJ0EF1C104Z	C 0.1UF, 16V	
C2067	ECJ0EF1C104Z	C 0.1UF, 16V	
C2069	ECJ0EF1C104Z	C 0.1UF, 16V	
C2071	ECJ0EF1C104Z	C 0.1UF, 16V	
C2072	ECJ0EF1C104Z	C 0.1UF, 16V	
C2074	ECJ0EF1C104Z	C 0.1UF, 16V	
C2076	ECJ0EF1C104Z	C 0.1UF, 16V	
C2077	ECJ0EF1C104Z	C 0.1UF, 16V	
C2078	ECJ0EF1C104Z	C 0.1UF, 16V	
C2079	F2G0J4700010	CAPACITOR	
C2080	ECJ0EF1C104Z	C 0.1UF, 16V	
C2081	F2G0J4700010	CAPACITOR	
C2082	ECJ0EF1C104Z	C 0.1UF, 16V	
C2083	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2084	ECJ0EF1C104Z	C 0.1UF, 16V	
C2085	ECJ1VF1A105Z	C 1UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2086	ECJ0EF1C104Z	C 0.1UF, 16V	
C2087	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2088	ECJ0EF1C104Z	C 0.1UF, 16V	
C2089	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2090	ECJ0EF1C104Z	C 0.1UF, 16V	
C2091	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2092	ECJ0EF1C104Z	C 0.1UF, 16V	
C2093	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2094	ECJ0EF1C104Z	C 0.1UF, 16V	
C2095	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2096	ECJ0EF1C104Z	C 0.1UF, 16V	
C2097	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2098	ECJ0EF1C104Z	C 0.1UF, 16V	
C2099	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2100	ECJ0EF1C104Z	C 0.1UF, 16V	
C2101	F2G0J1010013	CAPACITOR	
C2102	EEH0B0G101R	E 100UF, 4V	
C2103	EEH0B0G101R	E 100UF, 4V	
C2104	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2105	ECJ0EF1C104Z	C 0.1UF, 16V	
C2106	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2107	ECJ0EF1C104Z	C 0.1UF, 16V	
C2109	EEFUD0J101R	CAPACITOR	
C2110	ECJ2FF1A106Z	C 10UF, 10V	
C2111	ECJ2FF1A106Z	C 10UF, 10V	
C2112	ECJ0EF1C104Z	C 0.1UF, 16V	
C2113	ECJ1VB1C104K	CAPACITOR	
C2114	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2115	ECJ0EF1C104Z	C 0.1UF, 16V	
C2116	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2117	ECJ0EF1C104Z	C 0.1UF, 16V	
C2118	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2119	ECJ0EF1C104Z	C 0.1UF, 16V	
C2120	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2121	ECJ0EF1C104Z	C 0.1UF, 16V	
C2122	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2123	ECJ0EF1C104Z	C 0.1UF, 16V	
C2124	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2125	ECJ0EF1C104Z	C 0.1UF, 16V	
C2126	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2127	ECJ0EF1C104Z	C 0.1UF, 16V	
C2128	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2129	ECJ0EF1C104Z	C 0.1UF, 16V	
C2130	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2131	ECJ0EF1C104Z	C 0.1UF, 16V	
C2133	ECJ0EF1C104Z	C 0.1UF, 16V	
C2134	ECJ0EF1C104Z	C 0.1UF, 16V	
C2135	ECJ0EF1C104Z	C 0.1UF, 16V	
C2136	ECJ0EF1C104Z	C 0.1UF, 16V	
C2137	ECJ0EF1C104Z	C 0.1UF, 16V	
C2138	F2H0J101A009	CAPACITOR	
C2139	F2G0J1010013	CAPACITOR	
C2140	F1L0J107A016	CAPACITOR	
C2141	F1L0J107A016	CAPACITOR	
C2142	F1L0J107A016	CAPACITOR	
C2143	F1L0J107A016	CAPACITOR	
C2144	F1L0J107A016	CAPACITOR	
C2145	F1L0J107A016	CAPACITOR	
C2501	F2G1C4700014	CAPACITOR	
C2502	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2503	F2G0J1010013	CAPACITOR	
C2504	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2505	F2G0J4700010	CAPACITOR	
C2506	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2507	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2508	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2509	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2510	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2511	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2512	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2514	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2515	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2517	ECJ1VF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2518	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2521	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2522	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2523	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2524	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2525	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2526	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2527	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2528	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2529	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2530	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2531	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2532	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2533	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2534	EEEBH0G221P	E 220UF, 4V	
C2535	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2536	EEEBH0G221P	E 220UF, 4V	
C2537	F2G0J4700010	CAPACITOR	
C2539	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2540	ECJ1VC1H150J	C 15PF, J, 50V	
C2541	ECJ3YF1C475Z	C 4.7UF, Z, 16V	
C2542	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2543	ECJ1VC1H150J	C 15PF, J, 50V	
C2544	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2545	F2G0J4700010	CAPACITOR	
C2546	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2547	ECJ1VC1H101J	C 100PF, J, 50V	
C2548	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2549	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2550	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2551	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2552	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2553	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2554	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2555	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2556	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2557	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2558	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2559	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2560	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2561	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2562	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2563	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2564	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2565	F2G0J4700010	CAPACITOR	
C2566	ECJ2VC1H471J	CAPACITOR	
C2567	ECJ2VC1H471J	CAPACITOR	
C2568	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2570	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2571	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2572	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2573	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2574	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2575	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2576	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2577	ECJ1VC1H120J	CAPACITOR	
C2578	ECJ1VC1H120J	CAPACITOR	
C2579	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2580	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2581	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2582	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2583	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2584	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2585	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2586	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2588	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2589	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2590	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2591	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2592	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2593	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2594	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2596	ECJ1VF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2599	ECJ1VB1A105K	CAPACITOR	
C2600	ECJ1VB1A105K	CAPACITOR	
C2601	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2602	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2603	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2604	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2605	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2606	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2607	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2608	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2609	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2610	ECJ1VB1A105K	CAPACITOR	
C2611	ECJ1VB1A105K	CAPACITOR	
C2612	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2613	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2614	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2615	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2616	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2617	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2618	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2619	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2620	EEFUD0J101R	CAPACITOR	
C2621	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2622	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2623	ECJ1VB1A105K	CAPACITOR	
C2624	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2625	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2626	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2627	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2628	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2629	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2630	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2631	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2632	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2633	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2634	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2635	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2636	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C2637	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C2638	ECJ1VB1A105K	CAPACITOR	
C2639	ECJ1VB1A105K	CAPACITOR	
C2640	ECJ1VB1A105K	CAPACITOR	
C2641	ECJ1VB1A105K	CAPACITOR	
C2642	ECJ1VB1A105K	CAPACITOR	
C2643	ECJ1VB1A105K	CAPACITOR	
C2644	ECJ1VB1A105K	CAPACITOR	
C2645	ECJ1VB1A105K	CAPACITOR	
C2646	ECJ1VB1A105K	CAPACITOR	
C2647	ECJ1VB1A105K	CAPACITOR	
C2648	ECJ1VB1A105K	CAPACITOR	
C2649	ECJ1VB1A105K	CAPACITOR	
C2650	ECJ1VB1A105K	CAPACITOR	
C2651	ECJ1VB1A105K	CAPACITOR	
C2652	ECJ1VB1A105K	CAPACITOR	
C2670	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3001	ECJ1VB1A105K	CAPACITOR	
C3002	ECA1AHG102	E 1000PF, 10V	
C3003	EEHHP1E4R7R	CAPACITOR	
C3004	EEHHP1A330P	CAPACITOR	
C3005	EEHHP1A330P	CAPACITOR	
C3006	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3007	ECJ1VB1A105K	CAPACITOR	
C3008	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3009	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3010	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3011	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3012	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3013	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3014	F2G1A101A029	CAPACITOR	
C3015	F2G1A101A029	CAPACITOR	
C3016	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3018	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3019	F2G1A101A029	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3020	F2G1A101A029	CAPACITOR	
C3021	ECJ1VC1H680J	CAPACITOR	
C3022	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3023	ECJ1VC1H180J	CAPACITOR	
C3024	ECJ1VC1H120J	CAPACITOR	
C3025	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3026	ECJ1VC1H181J	CAPACITOR	
C3027	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3029	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3030	ECJ1VC1H220J	CAPACITOR	
C3031	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3033	F2G1A101A029	CAPACITOR	
C3034	ECJ1VC1H181J	CAPACITOR	
C3036	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3038	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3039	ECJ1VB1A105K	CAPACITOR	
C3040	ECJ1VB1H102K	C 1000PF, K, 50V	
C3041	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3042	ECJ1VB1H102K	C 1000PF, K, 50V	
C3043	ECJ1VB1A105K	CAPACITOR	
C3044	ECJ3YF1E225Z	CAPACITOR	
C3045	F2G1A101A029	CAPACITOR	
C3046	ECJ3YF1E225Z	CAPACITOR	
C3047	ECJ1VB1A105K	CAPACITOR	
C3048	ECJ1VC1H180J	CAPACITOR	
C3049	ECJ1VC1H150J	C 15PF, J, 50V	
C3050	ECJ1VB1A105K	CAPACITOR	
C3051	ECJ1VB1A105K	CAPACITOR	
C3052	ECJ1VB1A105K	CAPACITOR	
C3053	ECJ1VB1A105K	CAPACITOR	
C3054	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3055	F2G1A101A029	CAPACITOR	
C3056	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3057	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3058	ECJ1VB1A105K	CAPACITOR	
C3059	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3060	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3061	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3062	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3063	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3064	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3065	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3066	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3067	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3068	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3069	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3070	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3071	ECJ1VB1H472K	C 4700PF, K, 50V	
C3072	ECJ3YF1C475Z	C 4.7UF, Z, 16V	
C3073	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3074	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3075	F2G1A101A029	CAPACITOR	
C3076	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3077	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3078	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3079	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3080	ECJ1VC1H330J	CAPACITOR	
C3081	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3082	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3083	F2G1A101A029	CAPACITOR	
C3084	F2G1A101A029	CAPACITOR	
C3085	ECJ1VB1A105K	CAPACITOR	
C3086	ECJ1VB1A105K	CAPACITOR	
C3087	ECJ1VC1H101J	C 100PF, J, 50V	
C3088	ECJ1VB1A105K	CAPACITOR	
C3089	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3090	ECJ1VC1H680J	CAPACITOR	
C3091	F2G1A101A029	CAPACITOR	
C3092	ECJ1VC1H330J	CAPACITOR	
C3093	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3095	ECJ1VB1A105K	CAPACITOR	
C3096	ECJ1VB1A105K	CAPACITOR	
C3097	ECJ1VF1A225Z	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3123	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3124	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3125	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3126	EEHHP1E220P	CAPACITOR	
C3127	EEHHP1E220P	CAPACITOR	
C3128	EEHHP1E220P	CAPACITOR	
C3129	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3130	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3131	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3132	EEHHP1E220P	CAPACITOR	
C3133	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3134	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3135	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3136	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3137	F2G1C4700014	CAPACITOR	
C3138	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3139	EEHHP1E220P	CAPACITOR	
C3140	EEHHP1E220P	CAPACITOR	
C3141	EEHHP1E220P	CAPACITOR	
C3142	EEHHP1E220P	CAPACITOR	
C3143	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3144	EEHHP1E220P	CAPACITOR	
C3145	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3146	EEHHP1E220P	CAPACITOR	
C3147	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3148	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3149	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3150	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3151	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3152	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3153	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3154	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3155	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3156	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3157	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3158	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3159	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3160	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3161	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3162	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3163	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3164	F2G1C4700014	CAPACITOR	
C3165	F2G1C4700014	CAPACITOR	
C3166	F2G1C4700014	CAPACITOR	
C3167	F2G1C4700014	CAPACITOR	
C3168	F2G1C101A032	CAPACITOR	
C3169	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3170	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3171	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3172	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3173	ECJ1VF1A225Z	CAPACITOR	
C3174	ECJ1VF1A225Z	CAPACITOR	
C3175	EEHHP1C100R	E 10UF, 16V	
C3176	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3177	EEHHP1A330P	CAPACITOR	
C3178	ECJ1VC1H470J	CAPACITOR	
C3179	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3180	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3181	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3182	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3183	ECJ1VB1C104K	CAPACITOR	
C3184	ECJ1VB1H102K	C 1000PF, K, 50V	
C3185	ECJ1VB1C104K	CAPACITOR	
C3186	ECJ1VB1H102K	C 1000PF, K, 50V	
C3187	ECJ1VB1C104K	CAPACITOR	
C3188	ECJ1VB1C104K	CAPACITOR	
C3189	ECJ1VB1C104K	CAPACITOR	
C3190	ECJ1VB1C104K	CAPACITOR	
C3191	ECJ1VB1H102K	C 1000PF, K, 50V	
C3193	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3194	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3195	EEFUD0J101R	CAPACITOR	
C3196	ECJ1VF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3197	EEFUD0J101R	CAPACITOR	
C3198	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3199	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3200	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3201	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3202	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3203	ECJ3YB0J106M	C 10UF, 6.3V	
C3204	ECJ3YB0J106M	C 10UF, 6.3V	
C3205	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3206	ECJ1VB1H562K	C 5600PF, K, 50V	
C3207	ECJ1VB1H222K	CAPACITOR	
C3208	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3209	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3210	ECJ1VB1C223K	CAPACITOR	
C3211	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3212	ECJ1VB1C563K	CAPACITOR	
C3213	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3214	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3215	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3216	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3217	EEHHP1E4R7R	CAPACITOR	
C3218	ECJ1VB1H472K	C 4700PF, K, 50V	
C3219	EEHHP1E4R7R	CAPACITOR	
C3220	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3221	ECJ1VB1A105K	CAPACITOR	
C3222	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3223	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3224	ECJ3YB1C105K	CAPACITOR	
C3225	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3226	ECJ3YB1C105K	CAPACITOR	
C3227	ECJ1VC1H221J	CAPACITOR	
C3228	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3229	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3230	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3231	ECJ1VC1H391J	CAPACITOR	
C3232	ECJ1VC1H270J	C 27PF, J, 50V	
C3233	ECJ1VC1H181J	CAPACITOR	
C3234	ECJ1VB1A105K	CAPACITOR	
C3236	ECJ1VB1A105K	CAPACITOR	
C3237	ECJ1VB1A105K	CAPACITOR	
C3238	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3239	ECJ1VB1A105K	CAPACITOR	
C3240	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3241	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3242	ECJ2YFC1C225Z	C 2.2UF, Z, 16V	
C3243	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3244	F2G1C1000013	CAPACITOR	
C3245	EEFUD0J101R	CAPACITOR	
C3246	EEHBOG221P	E 220UF, 4V	
C3247	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3248	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3249	F2G0J3300003	CAPACITOR	
C3250	F2G0J3300003	CAPACITOR	
C3251	F2G0J3300003	CAPACITOR	
C3252	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3253	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3254	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3255	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3256	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3257	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3259	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3260	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3261	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3262	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3263	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3264	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3265	F2G0J3300003	CAPACITOR	
C3266	ECA1EHG331	E 330UF, 25V	
C3267	ECA1CHG101	E 100UF, 16V	
C3268	ECA1CHG101	E 100UF, 16V	
C3269	ECA1EHG101	E 100UF, 25V	
C3270	ECA1CHG101	E 100UF, 16V	
C3271	ECA1EHG331	E 330UF, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3272	ECJ1VB1A105K	CAPACITOR	
C3273	ECJ1VB1A105K	CAPACITOR	
C3274	ECJ1VB1A105K	CAPACITOR	
C3275	ECJ1VB1A105K	CAPACITOR	
C3276	ECJ1VB1A105K	CAPACITOR	
C3277	ECJ1VFC105Z	C 0.01UF, Z, 16V	
C3278	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3279	F2G1C101A032	CAPACITOR	
C3280	ECJ1VB1A105K	CAPACITOR	
C3284	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3286	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3287	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3288	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3289	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C3290	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6001	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6002	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6003	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6004	ECJ2VFC105Z	C 1UF, Z, 16V	
C6005	ECJ2VFC105Z	C 1UF, Z, 16V	
C6006	ECJ2VFC105Z	C 1UF, Z, 16V	
C6007	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6008	ECJ2VFC105Z	C 1UF, Z, 16V	
C6009	ECJ2VFC105Z	C 1UF, Z, 16V	
C6010	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6011	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6012	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6013	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6014	F2G1C4700014	CAPACITOR	
C6015	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6016	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6017	ECJ2VFC105Z	C 1UF, Z, 16V	
C6018	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6019	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6020	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6021	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6022	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6023	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6024	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6025	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6026	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6027	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6028	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6029	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6030	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6031	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6032	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6033	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6041	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6042	ECJ1VC1H101J	C 100PF, J, 50V	
C6043	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6044	ECJ1VC1H101J	C 100PF, J, 50V	
C6211	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6212	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6225	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C6501	F1L1C226A007	CAPACITOR	
C6502	F1L1C226A007	CAPACITOR	
C6503	F1L1C226A007	CAPACITOR	
C6504	F1L1C226A007	CAPACITOR	
C6505	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6506	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6507	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6508	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6509	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6510	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6511	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6512	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6513	ECJ1VC1H101J	C 100PF, J, 50V	
C6514	ECJ1VC1H101J	C 100PF, J, 50V	
C6515	ECJ1VC1H101J	C 100PF, J, 50V	
C6516	ECJ1VC1H101J	C 100PF, J, 50V	
C6518	F1L1C226A007	CAPACITOR	
C6519	F1L1C226A007	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C6520	F1L1C226A007	CAPACITOR	
C6521	F1L1C226A007	CAPACITOR	
C6522	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6523	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6524	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6525	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6526	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6528	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6529	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6530	F2G1E3300010	CAPACITOR	
C6531	F2G1E3300010	CAPACITOR	
C6532	F2G1E3300010	CAPACITOR	
C6533	F2G1E3300010	CAPACITOR	
C6538	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6539	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6540	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6541	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6542	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6543	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6544	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6545	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6546	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6547	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6548	F2G0J4700010	CAPACITOR	
C6549	F1H1H120A860	CAPACITOR	
C6550	F1H1H120A860	CAPACITOR	
C6551	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6552	ECJ1VF1E105Z	CAPACITOR	
C6553	ECJ1VB1H821K	CAPACITOR	
C6554	ECJ1VB1H472K	C 4700PF, K, 50V	
C6555	ECJ1VB1H152K	CAPACITOR	
C6556	ECJ1VB1H332K	CAPACITOR	
C6557	F2G1E3300010	CAPACITOR	
C6558	ECJ1VF1C474Z	CAPACITOR	
C6559	ECJ1VF1E105Z	CAPACITOR	
C6560	ECJ1VF1E105Z	CAPACITOR	
C6561	ECJ2VB1C224K	CAPACITOR	
C6562	ECJ1VF1E105Z	CAPACITOR	
C6563	ECJ1VF1C474Z	CAPACITOR	
C6564	F2G1E3300010	CAPACITOR	
C6565	ECJ1VF1E105Z	CAPACITOR	
C6566	ECJ1VF1E105Z	CAPACITOR	
C6567	ECJ1VF1E105Z	CAPACITOR	
C6568	ECJ1VF1E105Z	CAPACITOR	
C6569	ECJ2VB1C224K	CAPACITOR	
C6570	ECJ1VC1H221J	CAPACITOR	
C6571	F2G1E3300010	CAPACITOR	
C6572	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C6574	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6576	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C6577	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6578	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6579	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C6580	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6592	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6593	ECJ1VF1C105Z	C 0.01UF, Z, 16V	
C6599	ECJ1VF1E104Z	C 0.1UF, Z, 25V	
C6601	ECJ1VF1E105Z	CAPACITOR	
C6602	F2G1E3300010	CAPACITOR	
C6603	ECJ1VF1E105Z	CAPACITOR	
C6604	F2G1E3300010	CAPACITOR	
C6609	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6610	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6611	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6612	ECJ1VF1A105Z	C 1UF, Z, 50V	
C6613	F2G0J4700010	CAPACITOR	
C6614	F2G0J4700010	CAPACITOR	
C6615	F2G0J4700010	CAPACITOR	
C6616	F2G0J4700010	CAPACITOR	
C6617	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6618	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6619	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6620	ECJ1VF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C6621	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6801	F1L1C226A007	CAPACITOR	
C6802	F1L1C226A007	CAPACITOR	
C6805	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6806	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6809	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6810	ECJ1VB1H103K	C 0.01UF, K, 50V	
C6813	ECJ1VC1H101J	C 100PF, J, 50V	
C6814	ECJ1VC1H101J	C 100PF, J, 50V	
C6817	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6818	F1L1C226A007	CAPACITOR	
C6819	F1L1C226A007	CAPACITOR	
C6822	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6823	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6824	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6825	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6830	F2G1E3300010	CAPACITOR	
C6831	F2G1E3300010	CAPACITOR	
C6833	F2G1E3300010	CAPACITOR	
C6838	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6839	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6840	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6841	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6842	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6843	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6844	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6845	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6849	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6851	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C6852	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9603	F0CZZ4740002	CAPACITOR	
C9610	F0C2G1050004	CAPACITOR	
C9617	F0C3C4720003	CAPACITOR	
C9618	F0C2J1540004	CAPACITOR	
C9619	F0C2J1540004	CAPACITOR	
		[OTHERS]	
A1	K1KA06BA0040	6P CONNECTOR	
A2	K1KA13BA0051	13P CONNECTOR	
A3	K1KA10AA0153	10P CONNECTOR	
A4	K1KA10AA0153	10P CONNECTOR	
A5	K1KA10AA0153	10P CONNECTOR	
A6	K1KAB0A00011	CONNECTOR	
A7	K1KAB0A00011	CONNECTOR	
A8	K1KAA0A00138	CONNECTOR	
A9	K1KA09A00220	9P CONNECTOR	
A10	K1KA09A00220	9P CONNECTOR	
A11	K1KA09A00220	9P CONNECTOR	
A13	K1KA07BA0014	7P CONNECTOR	
A16	K1KA06A00454	6P CONNECTOR	
A24	K1KA02AA0104	2P CONNECTOR	K1KA02AA0150
A25	K1KA02AA0104	2P CONNECTOR	
A28	K1KA40AA0184	40PCONNECTOR	
A36	K1KA05A00466	5P CONNECTOR	
A37	K1KA08A00506	8P CONNECTOR	
A38	K1KA05AA0104	5P CONNECTOR	
A39	K1KA09A00220	9P CONNECTOR	
A40	K1KA02A00787	2P CONNECTOR	
B2501	BCR20V4	BATTERY HOLDER	
G1	K1KBB0A00006	CONNECTOR	
G2	K1KA11BA0086	CONNECTOR	
G4	K1KA11BA0086	CONNECTOR	
G5	K1KA08A00506	8P CONNECTOR	
G6	K1KA09A00220	9P CONNECTOR	
G7	K1KA14BA0051	CONNECTOR	
G8	K1KA10AA0178	CONNECTOR	
G9	K1KA07A00292	7P CONNECTOR	
G10	K1KA06AA0104	6P CONNECTOR	
G11	K1KA06AA0104	6P CONNECTOR	
G12	K1KA09A00220	9P CONNECTOR	
G13	K1KA03A00632	3P CONNECTOR	
G14	K1KA20AA0178	CONNECTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
G15	K1KA20AA0178	CONNECTOR	
G16	K1KA04AA0104	4P CONNECTOR	
G17	K1KA03AA0104	3P CONNECTOR	
G25	K1KA02AA0104	2P CONNECTOR	
G26	K1KA05A00466	5P CONNECTOR	
G27	K1KA05AA0104	5P CONNECTOR	
G29	K1KA03AA0263	3P CONNECTOR	
G31	K1KA04AA0083	4P CONNECTOR	
G32	K1KA14A00135	CONNECTOR	
G33	K1KA10A00443	CONNECTOR	
G42	K1KA06A00508	6P CONNECTOR	
JK3001	K1AY104B0004	CONNECTOR	
JK3002	K1QBB2YB0001	CONNECTOR	
JK3003	K1QBB1YB0001	CONNECTOR	
JK3004	K1QBB2YB0001	CONNECTOR	
JK3005	K1QBB2YB0001	CONNECTOR	
JK3006	K1FB115B0102	D-SUB (15PIN)	
JK3007	K1FB124B0026	DVI CONNECTOR	
JK6001	K2HC103B0204	TERMINAL	
JK6002	K2HC103B0203	TERMINAL	
JK6003	K1FB109B0070	D-SUB (9PIN)	
JK6004	K1FB109B0070	D-SUB (9PIN)	
JK6005	K1FB109B0070	D-SUB (9PIN)	
JK6006	K1FA109B0061	D-SUB (9PIN)	
JK6007	K2LC108B0064	TERMINAL	
S9602	A9BZ00000013	SPARKGAP	
SW9601	K0BDB0000082	SWITCH	
T9604	G4F3A0000004	TRANS	⚠
X2002	H1A2705B0032	CRYSTAL	
X2501	H0J327200114	CRYSTAL	
X2502	H0J147500021	CRYSTAL	
X3001	H0J202500002	CRYSTAL	
X6501	H0J200500048	CRYSTAL	
ZA3001	K4CD01000011	TERMINAL	
ZA3002	K4CD01000011	TERMINAL	
ZA3003	K4CD01000011	TERMINAL	
ZA3004	K4CD01000011	TERMINAL	
ZA3005	K4CD01000011	TERMINAL	
ZA3006	K4CD01000011	TERMINAL	
ZA3007	K4AA04D00001	TERMINAL	
ZA6001	K4CD01000011	TERMINAL	
ZA6002	K4CD01000011	TERMINAL	
ZA6003	K4CD01000011	TERMINAL	
ZA6004	K4CD01000011	TERMINAL	
ZA6005	K4CD01000011	TERMINAL	
	ETXMM628MAH	POWER UNIT	⚠
	ETXMM628MBA	CIRCUIT BOARD POWER	⚠
	ETXMM628MEE	CIRCUIT BOARD K	
	TNPA3650AB	CIRCUIT BOARD NN	
	TNPA3938	CIRCUIT BOARD S	
	TNPA3939	CIRCUIT BOARD R	
	TNPA3940	CIRCUIT BOARD J	
RTL	TNPA3941	CIRCUIT BOARD G	
	TNPA3946	CIRCUIT BOARD L1	
	TNPA3947	CIRCUIT BOARD L2	
	TNPA3948	CIRCUIT BOARD L3	
	TNPA3949	CIRCUIT BOARD L4	
	TNPA3950AB	CIRCUIT BOARD FH	⚠ PT-D10000U/E
	TNPA3950	CIRCUIT BOARD FH	⚠ PT-DW10000U/E
	TNPA3956	CIRCUIT BOARD H	
	TNPA4072	CIRCUIT BOARD R2	
	TNPA4122	CIRCUIT BOARD J2	
	TNPA4123	CIRCUIT BOARD J3	
	TNPA4124	CIRCUIT BOARD R3	
	TNPA4125	CIRCUIT BOARD SL	
	TNPA4126	CIRCUIT BOARD CL	
	TNPA4227	CIRCUIT BOARD LH	
	TNPA4228	CIRCUIT BOARD LV	
RTL	TXN/A1VKC8	CIRCUIT BOARD A	
	TXN/B1VKC8	BALLAST UNIT	⚠

Control Commands

PT-D10000*/DW10000*

Using the Serial Terminals

1. Basic Format

Transmission from the computer begins with STX, then the ID, command, parameter, and ETX are sent in this order. Add parameters according to the details of control.

Basic control command (without parameter)

Start (STX)	ID	Separator (semicolon)	Command	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte

Basic control command (with parameters)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)	Parameters	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte	Undefined length	1 byte

ID of the basic control command

ID	4 bytes String
ALL	ADZZ
ID1	AD01
ID2	AD02
ID3	AD03
ID4	AD04
ID5	AD05
ID6	AD06
ID7	AD07
ID8	AD08
ID9	AD09
ID10	AD10
ID11	AD11
ID12	AD12
ID13	AD13
ID14	AD14
ID15	AD15
ID16	AD16
ID17	AD17
ID18	AD18
ID19	AD19
ID20	AD20
ID21	AD21
ID22	AD22

ID	4 bytes String
ID23	AD23
ID24	AD24
ID25	AD25
ID26	AD26
ID27	AD27
ID28	AD28
ID29	AD29
ID30	AD30
ID31	AD31
ID32	AD32
ID33	AD33
ID34	AD34
ID35	AD35
ID36	AD36
ID37	AD37
ID38	AD38
ID39	AD39
ID40	AD40
ID41	AD41
ID42	AD42
ID43	AD43
ID44	AD44
ID45	AD45

ID	4 bytes String
ID46	AD46
ID47	AD47
ID48	AD48
ID49	AD49
ID50	AD50
ID51	AD51
ID52	AD52
ID53	AD53
ID54	AD54
ID55	AD55
ID56	AD56
ID57	AD57
ID58	AD58
ID59	AD59
ID60	AD60
ID61	AD61
ID62	AD62
ID63	AD63
ID64	AD64
Group A	AD0A
Group B	AD0B
Group C	AD0C
Group D	AD0D

ID	4 bytes String
Group E	AD0E
Group F	AD0F
Group G	AD0G
Group H	AD0H
Group I	AD0I
Group J	AD0J
Group K	AD0K
Group L	AD0L
Group M	AD0M
Group N	AD0N
Group O	AD0O
Group P	AD0P
Group Q	AD0Q
Group R	AD0R
Group S	AD0S
Group T	AD0T
Group U	AD0U
Group V	AD0V
Group W	AD0W
Group X	AD0X
Group Y	AD0Y
Group Z	AD0Z

Response (Callback) of the basic control command

In the period when commands can be accepted

Differs according to each command.

In the period when commands cannot be accepted

Hexadecimal	02h	45h	52h	34h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error

Hexadecimal	02h	45h	52h	34h	30h	32h	03h
Character		E	R	4	0	2	

Notes when two or more projectors are used

- Make the communication conditions the same between output/input. IN and OUT can be independently set respectively. (When you set RS-422 OUT of the first projector to 38 400 bps, set RS-422 IN of the second projector to 38 400 bps.)
- Make only one in VPS SYSTEM MASTER and make all of the remainder VPS SYSTEM SLAVE.
- Set ID number different in each projector.
- I/O to RS-422 OUT is not done during MAIN POWER OFF. Turn on MAIN POWER of all projectors.
- Make only one of the each group in GROUP MASTER and make all the remainder GROUP SLAVE.

Attention:

- No command may be sent or received for 10 to 60 seconds after the lamp starts lighting. Try sending any command after that period has elapsed.
- When sending several commands, be sure to wait for a response from the projector, and send the next command after 0.5 seconds or more pass.
- It might take time by the time the response returns because the command is processed in the projector. Set the time-out to ten seconds or more.

Notes:

- This projector will respond to the computer only in the following cases:
 - If the sent ID coincides with the projector ID,
 - VPS SYSTEM in RS232C settings of this projector is MASTER and the sent ID is ALL, or
 - If Group (A-Z) of the sent ID coincides with GROUP in RS232C settings of this projector and GROUP in RS232C settings of this projector is MASTER.
- When the command is received during STNDBY, this projector returns the receiving command as it is as a response (callback) if it is in the period when the concerned command cannot be accepted.
- Each setting/query command concerning P IN P controls to information on the user being set by current P IN P setting. Therefore, ER401 is returned as a response (callback) when P IN P setting is OFF.

2. Basic Control Command

Explanatory notes

○: Yes (Enable)

×: No (Disable)

2.1. Power ON (Lamp ON)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	4Eh	03h
Character		A	D	Z	Z	;	P	O	N	

■ Response (Callback)

In the period when the command can be accepted (This command in power-on condition is included)

Hexadecimal	02h	50h	4Fh	4Eh	03h
Character		P	O	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	△

■ Notes:

- When you confirm whether to have succeeded in power-on, confirm it by QPW (query power condition) command after receiving the callback of PON command.
- When REMOTE2 is effective, ER401 is returned as a response (callback).

2.2. Power OFF (Standby)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	46h	03h
Character		A	D	Z	Z	;	P	O	F	

■ Response (Callback)

In the period when the command can be accepted (This command in power-off condition is included)

Hexadecimal	02h	50h	4Fh	46h	03h
Character		P	O	F	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	△

■ Notes:

- When you confirm whether to have succeeded in power-off, confirm it by QPW (Query Power) command after receiving the callback of POF command.
- When REMOTE2 is effective, ER401 is returned as a response (callback).

2.3. AUTO SETUP

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	53h	03h
Character		A	D	Z	Z	;	O	A	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	×	×	○

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB PC signals are input. In other cases, ER401 is returned.

2.4. SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	48h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	S	H	:	*2	

■ Parameters (*1, *2)

	Shutter OFF	Shutter ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	48h	3Ah	*1	03h
Character		O	S	H	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	△

■ Note:

- The setting by REMOTE2 is given to priority. When a command different from the setting of REMOTE2 is sent, ER402 is returned.

2.5. Input Change

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	I	I	S	:	*2	*4	*6	

■ Parameters (*1, *2, *3, *4, *5, *6)

	RGB1			RGB2		
Hexadecimal	52h	47h	31h	52h	47h	32h
Character	R	G	I	R	G	2
	VIDEO			S-VIDEO		
Hexadecimal	56h	49h	44h	53h	56h	44h
Character	V	I	D	S	V	D
	DVI			AUX		
Hexadecimal	44h	56h	49h	41h	55h	58h
Character	D	V	I	A	U	X

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	△

■ Notes:

- REMOTE2 is given to priority. Calls back ER402 if the input select of REMOTE2 is available.
- When AUX is specified for the parameter with incompatible input module installed in the slot, ER401 is returned.
- When AUX is specified for the parameter with no input module installed in the slot, ER402 is returned.

2.6. TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	53h	3Ah	*1	*3	03h
Character		A	D	Z	Z	;	O	T	S	:	*2	*4	

■ Parameters (*1, *2, *3, *4)

	OFF		White		Black		Flag		Reversed flag	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	0	0	1	0	2	0	3	0	4
	Window		Reversed window		Focus		Colorbar		Gray 1 (20% brightness)	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h	31h	30h
Character	0	5	0	6	0	7	0	8	1	0
	Ramp		White		Red		Green		Blue	
Hexadecimal	31h	31h	32h	31h	32h	32h	32	33	32h	34h
Character	1	1	2	1	2	2	2	3	2	4
	10% brightness (White)		5% brightness (White)		Cyan		Magenta		Yellow	
Hexadecimal	32h	35h	32h	36h	32h	38h	32h	39h	33h	30h
Character	2	5	2	6	2	8	2	9	3	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	53h	3Ah	*1	*3	03h
Character		O	T	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

2.7. ON SCREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Fh	53h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	O	S	:	*2	

■ Parameters (*1, *2)

	Shutter OFF		Shutter ON	
Hexadecimal	30h		31h	
Character	0		1	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Fh	53h	3Ah	*1	03h
Character		O	O	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	×	○	○

■ Note:

- When the display setting of SECURITY is not OFF, ER401 is returned.

2.8. MENU key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Dh	4Eh	03h
Character		A	D	Z	Z	;	O	M	N	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.9. ENTER key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	4Eh	03h
Character		A	D	Z	Z	;	O	E	N	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.10. Up (↑) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	55h	03h
Character		A	D	Z	Z	;	O	C	U	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.11. Down (↓) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	44h	03h
Character		A	D	Z	Z	;	O	C	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.12. Left (←) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	4Ch	03h
Character		A	D	Z	Z	;	O	C	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.13. Right (→) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	52h	03h
Character		A	D	Z	Z	;	O	C	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	×	○	○

2.14. DEFAULT key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	54h	03h
Character		A	D	Z	Z	;	O	S	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×		×	○	○

2.15. FUNC1 key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	46h	43h	31h	03h
Character		A	D	Z	Z	;	F	C	1	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	43h	31h	03h
Character		F	C	1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	△	△	△	△

■ Note:

- The acceptability conforms to the function allocated in FUNC1.

2.16. SYSTEM SELECTOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	4Ch	03h
Character		A	D	Z	Z	;	O	S	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	4Ch	03h
Character		O	S	L	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When the input signal is not switchable, ER401 is returned.

2.17. Numeric key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		A	D	Z	Z	;	O	N	K	:	*2	

■ Parameters (*1, *2)

	0 key	1 key	2 key	3 key	4 key	5 key	6 key	7 key	8 key	9 key
Hexadecimal	30h	31h	32h	33h	34h	35h	36h	37h	38h	39h
Character	0	1	2	3	4	5	6	7	8	9

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		O	N	K	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	×	○	○

2.18. LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Ch	50h	4Dh	3Ah	*1	*3	03h
Character		A	D	Z	Z	;	L	P	M	:	*2	*4	

■ Parameters (*1, *2, *3, *4)

	QUAD		L1/L4		L2/L3		DUAL		L1/L2/L3	
Hexadecimal	30h	30h	30h	31h	30h	32h	33h	33h	30h	34h
Character	0	0	0	1	0	2	0	3	0	4
	L1/L2/L4		L1/L3/L4		L2/L3/L4		TRIPLE		L1	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h	30h	39h
Character	0	5	0	6	0	7	0	8	0	9
	L2		L3		L4		SINGLE			
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h		
Character	1	0	1	1	1	2	1	3		

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Ch	50h	4Dh	3Ah	*1	*3	03h
Character		L	P	M	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	○	○	○	○	○

■ Note:

- During the lamp change processing, ER401 is returned.

2.19. INSTALLATION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	49h	4Ch	3Ah	*1	03h
Character		A	D	Z	Z	;	O	I	L	:	*2	

■ Parameters (*1, *2)

	FRONT-F		REAR-F		FRONT-C		REAR-C	
Hexadecimal	30h		31h		32h		33h	
Character	0		1		2		3	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	4Ch	3Ah	*1	03h
Character		O	I	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	○	○	○	○	○

2.20. SUB MEMORY CHANGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	53h	3Ah
Character		A	D	Z	Z	;	O	C	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

*nn of submemory number (mm·nn)

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	93		94		95		96	
Hexadecimal	39h	33h	39h	34h	39h	35h	39h	36h
Character	9	3	9	4	9	5	9	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	53h	3Ah	*1	*3	03h
Character		O	C	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

2.21. SUB MEMORY CHANGE (Enhanced)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	53h	3Ah
Character		A	D	Z	Z	;	O	C	S	:
Hexadecimal	*1	*3	2Dh	*5	*7	03h				
Character	*2	*4	-	*6	*8					

■ Parameters

mm of submemory number (mm·nn) (*1,*2,*3,*4)

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	92		93		94		95	
Hexadecimal	39h	32h	39h	33h	39h	34h	39h	35h
Character	9	2	9	3	9	4	9	5

nn of submemory number (mm·nn) (*5,*6,*7,*8)

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	93		94		95		96	
Hexadecimal	39h	33h	39h	34h	39h	35h	39h	36h
Character	9	3	9	4	9	5	9	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	53h	3Ah	*1	*3	2Dh	*5	*7	03h
Character		O	C	S	:	*2	*4	-	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

2.22. SUB MEMORY STORE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	53h	03h
Character		A	D	Z	Z	;	O	E	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	53h	03h
Character		O	E	S	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

2.23. SUB MEMORY DELETE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	44h	53h	3Ah
Character		A	D	Z	Z	;	O	D	S	:
Hexadecimal	*1	*3	2Dh	*5	*7	03h				
Character	*2	*4	-	*6	*8					

■ Parameters (*1,*2,*3,*4,*5,*6)

mm of submemory number (mm·nn) (*1,*2)

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	92		93		94		95	
Hexadecimal	39h	32h	39h	33h	39h	34h	39h	35h
Character	9	2	9	3	9	4	9	5

nn of submemory number (mm·nn) (*3,*4)

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	93		94		95		96	
Hexadecimal	39h	33h	39h	34h	39h	35h	39h	36h
Character	9	3	9	4	9	5	9	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	44h	53h	3Ah	*1	*3	2Dh	*5	*7	03h
Character		O	D	S	:	*2	*4	-	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.24. PICTURE MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	50h	4Dh	3Ah
Character		A	D	Z	Z	;	V	P	M	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2, *3, *4, *5, *6)

	DYNAMIC			GRAPHIC			USER			
Hexadecimal	44h	59h	4Eh	47h	52h	41h	55h	53h	52h	
Character	D	Y	N	G	R	A	U	S	R	
	STANDARD			CINEMA			NATURAL			
Hexadecimal	53h	54h	44h	43h	49h	4Eh	4Eh	41h	54h	
Character	S	T	D	C	I	N	N	A	T	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	03h
Character		V	P	M	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.25. COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Fh	3Ah
Character		A	D	Z	Z	;	V	C	O	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2			
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h	
Character	0	0	0	0	0	1	0	0	2	
	98			99			100			
Hexadecimal	30h	39h	38h	30h	39h	39h	31h	30h	30h	
Character	0	9	8	0	9	9	1	0	0	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	*3	*5	03h
Character		V	C	O	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

Note:

- It is displayed in the menu by the value in which 50 is subtracted from the specified value.

2.26. TINT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Eh	3Ah
Character		A	D	Z	Z	;	V	T	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2			
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h	
Character	0	0	0	0	0	1	0	0	2	
	60			61			62			
Hexadecimal	30h	36h	30h	30h	36h	31h	30h	36h	32h	
Character	0	6	0	0	6	1	0	6	2	

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	*3	*5	03h
Character		V	T	N	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

Note:

- It is displayed in the menu by the value in which 31 is subtracted from the specified value.

2.27. COLOR TEMP.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	45h	3Ah
Character		A	D	Z	Z	;	O	T	E	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	LOW	MIDDLE	HIGH	USER1	USER2	DEFAULT		
Hexadecimal	30h	31h	32h	34h	39h	31h	30h	
Character	0	1	2	4	9	1	0	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	*3	03h
Character		O	T	E	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- If you specify parameters other than USER1 when COLOR MATCHING is not OFF, ER402 is returned.

2.28. WHITE BALANCE LOW - R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	52h	3Ah
Character		A	D	Z	Z	;	V	O	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	52h	3Ah	*1	*3	*5	03h
Character		V	O	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- It is displayed in the menu by the value in which 128 is subtracted from the specified value.

2.29. WHITE BALANCE LOW - G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	47h	3Ah
Character		A	D	Z	Z	;	V	O	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters(*1,*2,*3,*4,*5,*6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	47h	3Ah	*1	*3	*5	03h
Character		V	O	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- It is displayed in the menu by the value in which 128 is subtracted from the specified value.

2.30. WHITE BALANCE LOW - B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	42h	3Ah
Character		A	D	Z	Z	;	V	O	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	42h	3Ah	*1	*3	*5	03h
Character		V	O	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- It is displayed in the menu by the value in which 128 is subtracted from the specified value.

2.31. WHITE BALANCE HIGH - R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	52h	3Ah
Character		A	D	Z	Z	;	V	H	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	52h	3Ah	*1	*3	*5	03h
Character		V	H	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.32. WHITE BALANCE HIGH - G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	47h	3Ah
Character		A	D	Z	Z	;	V	H	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	47h	3Ah	*1	*3	*5	03h
Character		V	H	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.33. WHITE BALANCE HIGH - B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	42h	3Ah
Character		A	D	Z	Z	;	V	H	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	42h	3Ah	*1	*3	*5	03h
Character		V	H	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.34. CONTRAST

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Eh	3Ah
Character		A	D	Z	Z	;	V	C	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	*3	*5	03h
Character		V	C	N	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Note:

- It is displayed in the menu by the value in which 32 is subtracted from the specified value.

2.35. BRIGHTNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	42h	52h	3Ah
Character		A	D	Z	Z	;	V	B	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	31h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	61			62			63		
Hexadecimal	30h	36h	30h	30h	36h	31h	30h	36h	32h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	42h	52h	3Ah	*1	*3	*5	03h
Character		V	B	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Note:

- It is displayed in the menu by the value in which 32 is subtracted from the specified value.

2.36. SHARPNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	52h	3Ah
Character		A	D	Z	Z	;	V	S	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	52h	3Ah	*1	*3	*5	03h
Character		V	S	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

2.37. NOISE REDUCTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Eh	53h	3Ah
Character		A	D	Z	Z	;	V	N	S	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF		ON or 1		2		3	
Hexadecimal	30h		31h		32h		33h	
Character	0		1		2		3	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Eh	53h	3Ah	*1	03h
Character		V	N	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Notes:

- When FRAME DELAY is set to SHORT, ER401 is returned.
- During P IN P, ER401 is returned.

2.38. DYNAMIC IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2)

Mode

	OFF	1	2	3	USER	AUTO IRIS	MANUAL IRIS	DYNAMIC GAMMA
Hexadecimal	30h	31h	32h	33h	34h	41h	4Dh	44h
Character	0	1	2	3	4	A	M	D

* When Mode is OFF - USER, parameters *3 - *6 are not sent.

Example: When you set USER into Mode

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	34h	03h
Character		A	D	Z	Z	;	O	A	I	4	

* When Mode is AUTO IRIS or DYNAMIC GAMMA, parameters *5 and *6 are not sent.

Example: When Mode is AUTO IRIS and you set 3 into AUTO IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	41h	33h	03h							
Character	A	3								

Example: When Mode is MANUAL IRIS and you set 30 into MANUAL IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	4Dh	33h	30h	03h						
Character	M	3	0							

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	*1	03h
Character		O	A	I	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.39. DYNAMIC IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	A	I	:	*2	

■ Parameters (*1, *2)

	OFF	1	2	3	USER
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	*1	03h
Character		O	A	I	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.40. DYNAMIC IRIS (AUTO IRIS)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	41h	*1	03h							
Character	A	*2								

■ Parameters (*1, *2)

	OFF	1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	41h	*1	03h
Character		O	A	I	:	A	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.41. DYNAMIC IRIS (MANUAL IRIS)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	4Dh	*1	*3	03h						
Character	M	*2	*4							

■ Parameters (*1, *2, *3, *4)

	OFF		1		2		3	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h
Character	0	0	0	1	0	2	0	3
	60		61		62		63	
Hexadecimal	36h	30h	36h	31h	36h	32h	36h	33h
Character	6	0	6	1	6	2	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	4Dh	*1	03h
Character		O	A	I	:	M	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.42. DYNAMIC IRIS (DYNAMIC GAMMA)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	44h	*1	03h							
Character	D	*2								

■ Parameters (*1, *2)

	OFF		1		2		3	
Hexadecimal	30h		31h		32h		33h	
Character	0		1		2		3	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	44h	*1	03h
Character		O	A	I	:	D	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.43. TV-SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	47h	3Ah
Character		A	D	Z	Z	;	V	S	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	AUTO 1			AUTO 2			NTSC		
Hexadecimal	41h	54h	31h	41h	54h	32h	4Eh	54h	53h
Character	A	T	1	A	T	2	N	T	S
	NTSC4.43			PAL			PAL-M		
Hexadecimal	4Eh	34h	34h	50h	41h	4Ch	50h	41h	4Dh
Character	N	4	4	P	A	L	P	A	M
	PAL-N			SECAM			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	47h	3Ah	*1	*3	*5	03h
Character		V	S	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.44. SHIFT H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	48h	3Ah
Character		A	D	Z	Z	;	V	T	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	2
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	48h	3Ah	*1	*3	*5	03h
Character		V	T	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

■ Note:

- The maximum value that can be actually set changes according to the input signal and the input resolution setting, etc.

2.45. SHIFT V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	56h	3Ah
Character		A	D	Z	Z	;	V	T	V	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	56h	3Ah	*1	*3	*5	03h
Character		V	T	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

■ Note:

- The maximum value that can be actually set changes according to the input signal and the input resolution setting, etc.

2.46. ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	45h	3Ah
Character		A	D	Z	Z	;	V	S	E	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

- Input route: VIDEO

Input signal: NTSC

	VID AUTO	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

- Input route: VIDEO

Input signal: Except NTSC

	DEFAULT	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

- Input route: S-VIDEO

Input signal: NTSC

	VID AUTO(PRI.)	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1	S1 AUTO	VID AUTO	
Hexadecimal	36h	39h	32h	30h	33h
Character	6	9	2	0	3

- Input route: S-VIDEO

Input signal: Except NTSC

	DEFAULT	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

- Input route: Except VIDEO/S-VIDEO

Input signal: SD

	DEFAULT	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	32h	33h	35h
Character	0	2	3	5
	HV FIT	H FIT *1		
Hexadecimal	36h	39h		
Character	6	9		

- Input route: Except VIDEO/S-VIDEO

Input signal: HD

	DEFAULT	4:3 *1	S4:3 *2	THROUGH
Hexadecimal	30h	31h	33h	35h
Character	0	1	3	5
	HV FIT	H FIT *1		
Hexadecimal	36h	39h		
Character	6	9		

*1: Because it is not able to specify it in D10000, ER402 is returned.

*2: Because it is not able to specify it in DW10000, ER402 is returned.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	45h	3Ah	*1	*3	03h
Character		V	S	E	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

■ Notes:

- When it is not able to set it according to the input signal, ER402 is returned.
- Parameter *3 and *4 are specified only for two digits.

2.47. ZOOM H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	5Ah	48h	3Ah
Character		A	D	Z	Z	;	O	Z	H	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	5Ah	48h	3Ah	*1	*3	*5	03h
Character		O	Z	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

Notes:

- When ASPECT is THROUGH, ER401 is returned.
- If INTERLOCKED is ON, set it to OFF.

2.48. ZOOM V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	5Ah	56h	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	O	Z	V	:	*2	*4	*6	

Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	5Ah	56h	3Ah	*1	*3	*5	03h
Character		O	Z	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

Notes:

- When ASPECT is THROUGH, ER401 is returned.
- If INTERLOCKED is ON, set it to OFF.

2.49. CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	V	C	P	:	*2	*4	*6	

Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	×	○

Note:

- It is able to accept only when the selected slot is RGB1 or RGB2, and ER401 is returned besides.

2.50. INPUT RESOLUTION - TOTAL DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	44h	3Ah
Character		A	D	Z	Z	;	V	T	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4093				4094			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	3	4	0	9	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	T	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Notes:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.
- The maximum value that can be actually set changes according to the input signal and the input resolution setting, etc.
- When less than number of display dots is specified, ER402 is returned.

2.51. INPUT RESOLUTION - DISPLAY DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	44h	3Ah
Character		A	D	Z	Z	;	V	D	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	2045				2046			
Hexadecimal	24h	30h	34h	35h	32h	30h	34h	36h
Character	2	0	4	5	2	0	4	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	D	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Notes:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.
- When the value that exceeds the number of total dots is specified, ER402 is returned.

2.52. INPUT RESOLUTION - TOTAL LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Ch	3Ah
Character		A	D	Z	Z	;	V	T	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	211				212			
Hexadecimal	30h	32h	31h	31h	30h	32h	31h	32h
Character	0	2	1	1	0	2	1	2
	2046				2047			
Hexadecimal	24h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	T	L	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Notes:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.
- When less than number of display lines is specified, ER402 is returned.

2.53. INPUT RESOLUTION - DISPLAY LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	4Ch	3Ah
Character		A	D	Z	Z	;	V	D	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	200				201			
Hexadecimal	30h	32h	30h	30h	30h	32h	30h	31h
Character	0	2	0	0	0	2	0	1
	1199				1200			
Hexadecimal	21h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	D	L	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Notes:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.
- When the value that exceeds the number of total lines is specified, ER402 is returned.

2.54. CLAMP POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	54h	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	V	L	T	:	*2	*4	*6	

■ Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	54h	3Ah	*1	*3	*5	03h
Character		V	L	T	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	×	○	○	○

■ Note:

- It is able to accept only when RGB1 or RGB2 is selected, and ER401 is returned besides.

2.55. KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Bh	53h	3Ah
Character		A	D	Z	Z	;	O	K	S	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Bh	53h	3Ah	*1	*3	*5	*7	03h
Character		O	K	S	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.56. KEYSTONE2

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	4Bh	3Ah
Character		A	D	Z	Z	;	O	S	K	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	4Bh	3Ah	*1	*3	*5	*7	03h
Character		O	S	K	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When 0 is set into KEYSTONE, ER401 is returned.
- Even if KEYSTONE2 value is changed, it might not operate according to KEYSTONE condition.

2.57. LINEARITY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	49h	3Ah
Character		A	D	Z	Z	;	V	L	I	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	49h	3Ah	*1	*3	*5	*7	03h
Character		V	L	I	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When 0 is set into KEYSTONE, ER401 is returned.
- Even if LINEARITY value is changed, it might not operate according to KEYSTONE condition.

2.58. DISPLAY LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	47h	3Ah
Character		A	D	Z	Z	;	O	L	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.59. BLANKING - UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	55h	3Ah
Character		A	D	Z	Z	;	D	B	U	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	523			524			525		
Hexadecimal	35h	32h	33h	35h	32h	34h	35h	32h	35h
Character	5	3	8	5	3	9	5	4	0

DW10000

	538			539			540		
Hexadecimal	35h	33h	38h	35h	33h	39h	35h	34h	30h
Character	5	3	8	5	3	9	5	4	0

■ Note:

- The maximum value that can be set changes according to the setting condition of the input signal, ASPECT and ZOOM.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	55h	3Ah	*1	*3	*5	03h
Character		D	B	U	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.60. BLANKING - LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	42h	3Ah
Character		A	D	Z	Z	;	D	B	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	523			524			525		
Hexadecimal	35h	32h	33h	35h	32h	34h	35h	32h	35h
Character	5	3	8	5	3	9	5	4	0

DW10000

	538			539			540		
Hexadecimal	35h	33h	38h	35h	33h	39h	35h	34h	30h
Character	5	3	8	5	3	9	5	4	0

■ Note:

- The maximum value that can be set changes according to the setting condition of the input signal, ASPECT and ZOOM.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	42h	3Ah	*1	*3	*5	03h
Character		D	B	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.61. BLANKING - RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	52h	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	D	B	R	:	*2	*4	*6	

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	698			699			700		
Hexadecimal	36h	39h	38h	36h	39h	39h	37h	30h	30h
Character	6	9	8	6	9	9	7	0	0

DW10000

	958			959			960		
Hexadecimal	39h	35h	38h	39h	35h	39h	39h	36h	30h
Character	9	5	8	9	5	9	9	6	0

■ Note:

- The maximum value that can be set changes according to the setting condition of the input signal, ASPECT and ZOOM.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	52h	3Ah	*1	*3	*5	03h
Character		D	B	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.62. BLANKING - LEFT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		A	D	Z	Z	;	D	B	L	:	*2	*4	*6	

■ Parameters (*1, *2, *3, *4, *5, *6)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	31h	30h	30h	32h		
Character	0	0	0	0	0	0	1	0	0	2		

D10000

	698				699				700			
Hexadecimal	36h	39h	38h	36h	39h	39h	37h	30h	30h			
Character	6	9	8	6	9	9	7	0	0			

DW10000

	958				959				960			
Hexadecimal	39h	35h	38h	39h	35h	39h	39h	36h	30h			
Character	9	5	8	9	5	9	9	6	0			

■ Note:

- The maximum value that can be set changes according to the setting condition of the input signal, ASPECT and ZOOM.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		D	B	L	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.63. DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah	*1	03h
Character		A	D	Z	Z	;	O	E	D	:	*2	

■ Parameters (*1, *2)

	EDID1				EDID2 (PC)			
Hexadecimal	31h				32h			
Character	1				2			

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	03h
Character		O	E	D	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.64. AUX DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	O	E	D	:
Hexadecimal	*1	41h	55h	58h	03h					
Character	*2	A	U	X						

■ Parameters (*1, *2)

	EDID1				EDID2 (PC)			
Hexadecimal	31h				32h			
Character	1				2			

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	41h	55h	58h	03h
Character		O	E	D	:	*2	A	U	X	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

2.65. P I N P

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	50h	50h	3Ah
Character		A	D	Z	Z	;	O	P	P	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF	USER1	USER2	USER3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	50h	50h	3Ah	*1	03h
Character		O	P	P	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.66. P I N P - MAIN WINDOW

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	53h	49h	3Ah
Character		A	D	Z	Z	;	M	S	I	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2)

	RGB1			RGB2			DVI		
Hexadecimal	52h	47h	31h	52h	47h	32h	44h	56h	49h
Character	R	G	I	R	G	2	D	V	I
	VIDEO			S VIDEO			AUX		
Hexadecimal	56h	49h	44h	53h	56h	44h	41h	55h	58h
Character	V	I	D	S	V	D	A	U	X

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	49h	3Ah	*1	*3	*5	03h
Character		M	S	I	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Notes:

- When AUX is specified for the parameter with incompatible input module installed in the slot, ER401 is returned.
- When AUX is specified for the parameter with no input module installed in the slot, ER402 is returned.
- When FRAME DELAY is set besides DEFAULT, ER401 is returned.
- If the same content as the channel set to sub window is specified ER402 is returned.
- If RGB1 (RGB2) is specified when RGB2 (RGB1) is set for the sub window, ER402 is returned.
- If S-VIDEO (VIDEO) is specified when VIDEO (S-VIDEO) is set for the sub window, ER402 is returned.

2.67. P I N P - MAIN WINDOW:SIZE - INTERLOCKED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	53h	4Ch	3Ah
Character		A	D	Z	Z	;	M	S	L	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	4Ch	3Ah	*1	03h
Character		M	S	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.68. P IN P - MAIN WINDOW:SIZE - V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	53h	56h	3Ah
Character		A	D	Z	Z	;	M	S	V	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters(*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	56h	3Ah	*1	*3	*5	03h
Character		M	S	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.69. P IN P - MAIN WINDOW:SIZE - H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	53h	48h	3Ah
Character		A	D	Z	Z	;	M	S	H	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	48h	3Ah	*1	*3	*5	03h
Character		M	S	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.70. P IN P - MAIN WINDOW:SIZE - HV

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	53h	5Ah	3Ah
Character		A	D	Z	Z	;	M	S	Z	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	5Ah	3Ah	*1	*3	*5	03h
Character		M	S	Z	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.71. P IN P - MAIN WINDOW:POSITION - V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	50h	56h	3Ah
Character		A	D	Z	Z	;	M	P	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

D10000

	-505				-504				-503			
Hexadecimal	2Dh	35h	30h	35h	2Dh	35h	30h	34h	2Dh	35h	30h	33h
Character	-	5	0	5	-	5	0	4	-	5	0	3
	+503				+504				+505			
Hexadecimal	2Bh	35h	30h	33h	2Bh	35h	30h	34h	2Bh	35h	30h	35h
Character	+	5	0	3	+	5	0	4	+	5	0	3

DW10000

	-520				-519				-518			
Hexadecimal	2Dh	35h	32h	30h	2Dh	35h	31h	39h	2Dh	35h	31h	38h
Character	-	5	2	0	-	5	1	9	-	5	1	8
	+518				+519				+520			
Hexadecimal	2Bh	35h	31h	38h	2Bh	35h	31h	39h	2Bh	35h	32h	30h
Character	+	5	1	8	+	5	1	9	+	5	2	0

Note:

- The maximum value and minimum value that can be actually set change according to the setting condition of the input signal, ASPECT and ZOOM.

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	50h	56h	3Ah	*1	*3	*5	*7	03h
Character		M	P	V	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT or RASTER POSITION is set besides 0, ER401 is returned.

2.72. P IN P - MAIN WINDOW:POSITION - H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Dh	50h	48h	3Ah
Character		A	D	Z	Z	;	M	P	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

D10000

	-674				-673				-672			
Hexadecimal	2Dh	36h	37h	34h	2Dh	36h	37h	33h	2Dh	36h	37h	32h
Character	-	6	7	4	-	6	7	3	-	6	7	2
	+672				+673				+674			
Hexadecimal	2Bh	36h	37h	32h	2Bh	36h	37h	33h	2Bh	36h	37h	34h
Character	+	6	7	2	+	6	7	3	+	6	7	4

DW10000

	-926				-925				-924			
Hexadecimal	2Dh	39h	32h	36h	2Dh	39h	32h	35h	2Dh	39h	32h	34h
Character	-	9	2	6	-	9	2	5	-	9	2	4
	+924				+925				+926			
Hexadecimal	2Bh	39h	32h	34h	2Bh	39h	32h	35h	2Bh	39h	32h	36h
Character	+	9	2	4	+	9	2	5	+	9	2	6

Note:

- The maximum value and minimum value that can be actually set change according to the setting condition of the input signal, ASPECT and ZOOM.

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	50h	48h	3Ah	*1	*3	*5	*7	03h
Character		M	P	H	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.73. P IN P - SUB WINDOW

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	49h	53h	3Ah
Character		A	D	Z	Z	;	S	I	S	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2)

	RGB1			RGB2			DVI		
Hexadecimal	52h	47h	31h	52h	47h	32h	44h	56h	49h
Character	R	G	1	R	G	2	D	V	I
	VIDEO			S VIDEO			AUX		
Hexadecimal	56h	49h	44hh	53h	56h	44h	41h	55h	58h
Character	V	I	D	S	V	D	A	U	X

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	49h	53h	3Ah	*1	03h
Character		S	I	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.
- If the same content as the channel set to main window is specified ER402 is returned.
- If RGB1 (RGB2) is specified when RGB2 (RGB1) is set for the main window, ER402 is returned.
- If S-VIDEO (VIDEO) is specified when VIDEO (S-VIDEO) is set for the main window, ER402 is returned.

2.74. P IN P - SUB WINDOW:SIZE - INTERLOCKED

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	53h	4Ch	3Ah
Character		A	D	Z	Z	;	S	S	L	:
Hexadecimal	*1	03h								
Character	*2									

Parameters (*1, *2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	53h	4Ch	3Ah	*1	03h
Character		S	S	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.75. P IN P - SUB WINDOW:SIZE - V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	53h	56h	3Ah
Character		A	D	Z	Z	;	S	S	V	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

Parameters (*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	53h	56h	3Ah	*1	*3	*5	03h
Character		S	S	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.76. P IN P - SUB WINDOW:SIZE - H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	53h	48h	3Ah
Character		A	D	Z	Z	;	S	S	H	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Dh	53h	48h	3Ah	*1	*3	*5	03h
Character		M	S	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.77. P IN P - SUB WINDOW:SIZE - HV

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	53h	5Ah	3Ah
Character		A	D	Z	Z	;	S	S	Z	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	10		11		12		13		14	
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h	31h	34h
Character	1	0	1	1	1	2	1	3	1	4
	96		97		98		99		100	
Hexadecimal	39h	36h	39h	37h	39h	38h	39h	39h	31h	30h
Character	9	6	9	7	9	8	9	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	53h	5Ah	3Ah	*1	*3	*5	03h
Character		S	S	Z	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.78. P IN P - SUB WINDOW:POSITION - V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	50h	56h	3Ah
Character		A	D	Z	Z	;	S	P	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

D10000

	-505				-504				-503			
Hexadecimal	2Dh	35h	30h	35h	2Dh	35h	30h	34h	2Dh	35h	30h	33h
Character	-	5	0	5	-	5	0	4	-	5	0	3
	+503				+504				+505			
Hexadecimal	2Bh	35h	30h	33h	2Bh	35h	30h	34h	2Bh	35h	30h	35h
Character	+	5	0	3	+	5	0	4	+	5	0	5

DW10000

	-520				-519				-518			
Hexadecimal	2Dh	35h	32h	30h	2Dh	35h	31h	39h	2Dh	35h	31h	38h
Character	-	5	2	0	-	5	1	9	-	5	1	8
	+518				+519				+520			
Hexadecimal	2Bh	35h	31h	38h	2Bh	35h	31h	39h	2Bh	35h	32h	30h
Character	+	5	1	8	+	5	1	9	+	5	2	0

Note:

- The maximum value and minimum value that can be actually set change according to the setting condition of the input signal, ASPECT and ZOOM.

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	50h	56h	3Ah	*1	*3	*5	*7	03h
Character		S	P	V	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.79. P IN P - SUB WINDOW:POSITION - H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	53h	50h	48h	3Ah
Character		A	D	Z	Z	;	S	P	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

D10000

	-674				-673				-672			
Hexadecimal	2Dh	36h	37h	34h	2Dh	36h	37h	33h	2Dh	36h	37h	32h
Character	-	6	7	4	-	6	7	3	-	6	7	2
	+672				+673				+674			
Hexadecimal	2Bh	36h	37h	32h	2Bh	36h	37h	33h	2Bh	36h	37h	34h
Character	+	6	7	2	+	6	7	3	+	6	7	4

DW10000

	-926				-925				-924			
Hexadecimal	2Dh	39h	32h	36h	2Dh	39h	32h	35h	2Dh	39h	32h	34h
Character	-	9	2	6	-	9	2	5	-	9	2	4
	+924				+925				+926			
Hexadecimal	2Bh	39h	32h	34h	2Bh	39h	32h	35h	2Bh	39h	32h	36h
Character	+	9	2	4	+	9	2	5	+	9	2	6

Note:

- The maximum value and minimum value that can be actually set change according to the setting condition of the input signal, ASPECT and ZOOM.

Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	53h	50h	48h	3Ah	*1	*3	*5	*7	03h
Character		S	P	H	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.80. P IN P - FRAME LOCK

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	46h	4Ch	3Ah
Character		A	D	Z	Z	;	P	F	L	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	MAIN WINDOW	SUB WINDOW
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	50h	46h	4Ch	3Ah	*1	03h
Character		P	F	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.
- When moving picture signals are input to either main or sub, the frame lock is fixed to the moving picture signals.

2.81. P IN P - TYPE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	54h	50h	3Ah	*1	03h
Character		A	D	Z	Z	;	P	T	P	:	*2	

■ Parameters (*1, *2)

	MAIN WINDOW	SUB WINDOW
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	50h	54h	50h	3Ah	*1	03h
Character		P	T	P	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
×	×	○	○	○	○

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.82. Set Date

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	44h	3Ah
Character		A	D	Z	Z	;	T	S	D	:
Hexadecimal	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character										

■ Parameters

*y1 - *y4: Year (4 digits)

*m1, *m2: Month (2 digits)

*d1, *d2: Day (2 digits)

*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)

Set it by UTC (Coordinated Universal Time).

Example: Thursday, June 29, 2006

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	36h	30h	36h	32h	39h	34h
Character	2	0	0	6	0	6	2	9	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	44h	3Ah	*y1	*y2	
Character		T	S	D	:			
Hexadecimal	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character								

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.83. Set Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	54h	3Ah
Character		A	D	Z	Z	;	T	S	T	:
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h			
Character										

■ Parameters

*h1, *h2: Hour (2 digits)

*m1, *m2 : Minute (2 digits)

*s1, *s2 : Second (2 digits)

Set it by UTC (Coordinated Universal Time).

Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	54h	53h	54h	3Ah		
Character		T	S	T	:		
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☐	☐	☐	☐	☐

2.84. Query Power

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	57h	03h
Character		A	D	Z	Z	;	Q	P	W	

■ Response (Callback)

OFF

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	0	

ON

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☐	☐	☐	☐	☐

2.85. Query SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	48h	03h
Character		A	D	Z	Z	;	Q	S	H	

■ Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	×	☐	☐	☐	☐

2.86. Query Input Change

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h			03h
Character		A	D	Z	Z	;	Q	I	N	

■ Response (Callback)

RGB1

Hexadecimal	02h	52h	47h	31h	03h
Character		R	G	1	

RGB2

Hexadecimal	02h	52h	47h	32h	03h
Character		R	G	2	

VIDEO

Hexadecimal	02h	56h	49h	44h	03h
Character		V	I	D	

S-VIDEO

Hexadecimal	02h	53h	56h	44h	03h
Character		S	V	D	

DVI

Hexadecimal	02h	44h	56h	49h	03h
Character		D	V	I	

AUX

Hexadecimal	02h	41h	55h	58h	03h
Character		A	U	X	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

2.87. Query TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	53h	03h
Character		A	D	Z	Z	;	Q	T	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

■ Parameters (*1, *2, *3, *4)

	OFF		White		Black		Flag		Reversed flag	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	0	0	1	0	2	0	3	0	4
	Window		Reversed window		Focus		Colorbar		Gray 1 (20% brightness)	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h	31h	30h
Character	0	5	0	6	0	7	0	8	1	0
	Ramp		White		Red		Green		Blue	
Hexadecimal	31h	31h	32h	31h	32h	32h	32	33	32h	34h
Character	1	1	2	1	2	2	2	3	2	4
	10% brightness (White)		5% brightness (White)		Cyan		Magenta		Yellow	
Hexadecimal	32h	35h	32h	36h	32h	38h	32h	39h	33h	30h
Character	2	5	2	6	2	8	2	9	3	0

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.88. Query ON SCREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	53h	03h
Character		A	D	Z	Z	;	Q	O	S	

■ Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character			

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

2.89. Query PICTURE MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	4Dh	03h
Character		A	D	Z	Z	;	Q	P	M	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters(*1, *2, *3, *4, *5, *6)

	DYNAMIC			GRAPHIC			USER		
Hexadecimal	44h	59h	4Eh	47h	52h	41h	52h	41h	41h
Character	D	Y	N	G	R	A	U	S	R
	STANDARD			CINEMA			NATURAL		
Hexadecimal	53h	54h	44h	43h	49h	4Eh	4Eh	41h	54h
Character	S	T	D	C	I	N	N	A	T

2.90. Query COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	43h	03h
Character		A	D	Z	Z	;	Q	V	C	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	98			99			100		
Hexadecimal	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	8	0	9	9	1	0	0

■ Note:

- The value in which 50 is added to the value displayed in the menu is returned as a response (callback).

2.91. Query TINT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	54h	03h
Character		A	D	Z	Z	;	Q	V	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	60			61			62		
Hexadecimal	30h	36h	30h	30h	36h	31h	30h	36h	32h
Character	0	6	0	0	6	1	0	6	2

■ Note:

- The value in which 31 is added to the value displayed in the menu is returned as a response (callback).

2.92. Query COLOR TEMP.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	45h	03h
Character		A	D	Z	Z	;	Q	T	E	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4)

	LOW	MIDDLE	HIGH	USER1	USER2	DEFAULT	
Hexadecimal	30h	31h	32h	34h	39h	31h	30h
Character	0	1	2	4	9	1	0

■ Note:

- The response (callback) other than DEFAULT (10) is one digit.

2.93. Query WHITE BALANCE LOW - R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	52h	03h
Character		A	D	Z	Z	;	Q	O	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- The value in which 128 is added to the value displayed in the menu is returned as a response (callback).

2.94. Query WHITE BALANCE LOW - G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	47h	03h
Character		A	D	Z	Z	;	Q	O	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- The value in which 128 is added to the value displayed in the menu is returned as a response (callback).

2.95. WHITE BALANCE LOW - B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	42h	03h
Character		A	D	Z	Z	;	Q	O	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Notes:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.
- The value in which 128 is added to the value displayed in the menu is returned as a response (callback).

2.96. Query WHITE BALANCE HIGH - R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	52h	03h
Character		A	D	Z	Z	;	Q	H	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.97. Query WHITE BALANCE HIGH - G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	47h	03h
Character		A	D	Z	Z	;	Q	H	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.98. Query WHITE BALANCE HIGH - B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	42h	03h
Character		A	D	Z	Z	;	Q	H	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Note:

- When a parameter other than USER1 or USER2 is specified for COLOR TEMP., ER401 is returned.

2.99. Query CONTRAST

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	52h	03h
Character		A	D	Z	Z	;	Q	V	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Note:

- The value in which 32 is added to the value displayed in the menu is returned as a response (callback).

2.100. Query BRIGHTNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	42h	03h
Character		A	D	Z	Z	;	Q	V	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	1			2			3		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Note:

- The value in which 32 is added to the value displayed in the menu is returned as a response (callback).

2.101. Query SHARPNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	53h	03h
Character		A	D	Z	Z	;	Q	V	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

2.102. Query NOISE REDUCTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Eh	53h	03h
Character		A	D	Z	Z	;	Q	N	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters(*1, *2)

	OFF	ON or 1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Notes:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.
- During P IN P, ER401 is returned.

2.103. Query DYNAMIC IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	41h	49h	03h
Character		A	D	Z	Z	;	Q	A	I	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	OFF	1	2	3	USER
Hexadecimal	30h	31h	32h	33h	34h
Character	0	1	2	3	4

2.104. Query DYNAMIC IRIS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	41h	49h	3Ah	*1	03h
Character		A	D	Z	Z	;	Q	A	I	:	*2	

■ Parameters (*1, *2)

	AUTO IRIS		MANUAL IRIS		DYNAMIC GAMMA	
Hexadecimal	41h		4Dh		44h	
Character	A		M		D	

■ Response (Callback)

In the period when the command can be accepted

When AUTO IRIS or DYNAMIC GAMMA is specified for the parameter (*1, *2)

Hexadecimal	02h	*3	03h
Character		*4	

When MANUAL IRIS is specified for the parameter (*1, *2)

Hexadecimal	02h	*5	*7	03h
Character		*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*3, *4,)

	OFF		1		2		3	
Hexadecimal	30h		31h		32h		33h	
Character	0		1		2		3	

■ Parameters (*5, *6, *7, *8,)

	OFF		1		2		3	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h
Character	0	0	0	1	0	2	0	3
	60		61		62		63	
Hexadecimal	36h	30h	36h	31h	36h	32h	36h	33h
Character	6	0	6	1	6	2	6	3

2.105. Query TV-SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	47h	03h
Character		A	D	Z	Z	;	Q	S	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	AUTO 1			AUTO 2			NTSC		
Hexadecimal	41h	54h	31h	41h	54h	32h	4Eh	54h	53h
Character	A	T	1	A	T	2	N	T	S
	NTSC4.43			PAL			PAL-M		
Hexadecimal	4Eh	34h	34h	50h	41h	4Ch	50h	41h	4Dh
Character	N	4	4	P	A	L	P	A	M
	PAL-N			SECAM			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

2.106. Query SHIFT H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	48h	3Ah
Character		A	D	Z	Z	;	Q	T	H	:
Hexadecimal	31h	03h								
Character	1									

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	2
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

2.107. Query SHIFT V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	56h	3Ah
Character		A	D	Z	Z	;	Q	T	V	:
Hexadecimal	31h	03h								
Character	1									

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

2.108. Query ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	45h	03h
Character		A	D	Z	Z	;	Q	S	E	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4)

• Input route: VIDEO

Input signal: NTSC

	VID AUTO	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

• Input route: VIDEO

Input signal: Except NTSC

	DEFAULT	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

• Input route: S-VIDEO

Input signal: NTSC

	VID AUTO(PRI.)	4:3 *1	16:9 *2		S4:3 *2		THROUGH
Hexadecimal	30h	31h	32h		33h		35h
Character	0	1	2		3		5
	HV FIT	H FIT *1	S1 AUTO *3		VID AUTO *3		
Hexadecimal	36h	39h	32h	30h	33h	30h	
Character	6	9	2	0	3	0	

• Input route: S-VIDEO

Input signal: Except NTSC

	DEFAULT	4:3 *1	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	31h	32h	33h	35h
Character	0	1	2	3	5
	HV FIT	H FIT *1			
Hexadecimal	36h	39h			
Character	6	9			

• Input route: Except VIDEO/S-VIDEO

Input signal: SD

	DEFAULT	16:9 *2	S4:3 *2	THROUGH
Hexadecimal	30h	32h	33h	35h
Character	0	2	3	5
	HV FIT	H FIT *1		
Hexadecimal	36h	39h		
Character	6	9		

• Input route: Except VIDEO/S-VIDEO

Input signal: HD

	DEFAULT	4:3 *1	S4:3 *2	THROUGH
Hexadecimal	30h	31h	33h	35h
Character	0	1	3	5
	HV FIT	H FIT *1		
Hexadecimal	36h	39h		
Character	6	9		

*1: Effective only for DW10000

*2: Effective only for D10000

*3: The response (callback) other than this item is one digit.

2.109. Query ZOOM H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	5Ah	48h	03h
Character		A	D	Z	Z	;	Q	Z	H	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Notes:

- When ASPECT is THROUGH, ER401 is returned.
- Even if INTERLOCKED is ON, the value of ZOOM H is returned.

2.110. Query ZOOM V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	5Ah	56h	03h
Character		A	D	Z	Z	;	Q	Z	V	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Notes:

- When ASPECT is THROUGH, ER401 is returned.
- Even if INTERLOCKED is ON, the value of ZOOM H is returned.

2.111. Query CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	50h	03h
Character		A	D	Z	Z	;	Q	C	P	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	×	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

■ Note:

- It is able to accept only when the selected slot is RGB1 or RGB2, and ER401 is returned besides.

2.112. Query INPUT RESOLUTION - TOTAL DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	44h	03h
Character		A	D	Z	Z	;	Q	T	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	4093				4094			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	3	4	0	9	4

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.

2.113. Query INPUT RESOLUTION - DISPLAY DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	44h	03h
Character		A	D	Z	Z	;	Q	D	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	2045				2046			
Hexadecimal	32h	30h	34h	35h	32h	30h	34h	36h
Character	2	0	4	5	2	0	4	6

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.

2.114. Query INPUT RESOLUTION - TOTAL LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Ch	03h
Character		A	D	Z	Z	;	Q	T	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	211				212			
Hexadecimal	30h	32h	31h	31h	30h	32h	31h	32h
Character	0	2	1	1	0	2	1	2
	2046				2047			
Hexadecimal	32h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.

2.115. Query INPUT RESOLUTION - DISPLAY LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	4Ch	03h
Character		A	D	Z	Z	;	Q	D	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	200				201			
Hexadecimal	30h	32h	30h	30h	30h	32h	30h	31h
Character	0	2	0	0	0	2	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	8	1	2	0	0

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected and RGB signals are input. In other cases, ER401 is returned.

2.116. Query CLAMP POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	54h	03h
Character		A	D	Z	Z	;	Q	L	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	×	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Note:

- This command is acceptable only when RGB1 or RGB2 is selected. In other cases, ER401 is returned.

2.117. Query KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Bh	53h	03h
Character		A	D	Z	Z	;	Q	K	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

2.118. Query KEYSTONE2

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Bh	03h
Character		A	D	Z	Z	;	Q	S	K	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

2.119. Query LINEARITY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	49h	03h
Character		A	D	Z	Z	;	Q	L	I	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-127				-126				-125			
Hexadecimal	2Dh	31h	32h	37h	2Dh	31h	32h	36h	2Dh	31h	32h	35h
Character	-	1	2	7	-	1	2	6	-	1	2	5
	+125				+126				+127			
Hexadecimal	2Bh	31h	32h	35h	2Bh	31h	32h	36h	2Bh	31h	32h	37h
Character	+	1	2	5	+	1	2	6	+	1	2	7

2.120. Query DISPLAY LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	47h	03h
Character		A	D	Z	Z	;	Q	L	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R

2.121. Query BLANKING - UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	55h	03h
Character		A	D	Z	Z	;	Q	L	U	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	523			524			525		
Hexadecimal	35h	32h	33h	35h	32h	34h	35h	32h	35h
Character	5	3	8	5	3	9	5	4	0

DW10000

	538			539			540		
Hexadecimal	35h	33h	38h	35h	33h	39h	35h	34h	30h
Character	5	3	8	5	3	9	5	4	0

2.122. Query BLANKING - LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	42h	03h
Character		A	D	Z	Z	;	Q	L	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	523			524			525		
Hexadecimal	35h	32h	33h	35h	32h	34h	35h	32h	35h
Character	5	3	8	5	3	9	5	4	0

DW10000

	538			539			540		
Hexadecimal	35h	33h	38h	35h	33h	39h	35h	34h	30h
Character	5	3	8	5	3	9	5	4	0

2.123. Query BLANKING - RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	4Ch	03h
Character		A	D	Z	Z	;	Q	L	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters(*1,*2,*3,*4,*5,*6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	698			699			700		
Hexadecimal	36h	39h	38h	36h	39h	39h	37h	30h	30h
Character	6	9	8	6	9	9	7	0	0

DW10000

	958			959			960		
Hexadecimal	39h	35h	38h	39h	35h	39h	39h	36h	30h
Character	9	5	8	9	5	9	9	6	0

2.124. Query BLANKING - LEFT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	52h	03h
Character		A	D	Z	Z	;	Q	L	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

D10000

	698			699			700		
Hexadecimal	36h	39h	38h	36h	39h	39h	37h	30h	30h
Character	6	9	8	6	9	9	7	0	0

DW10000

	958			959			960		
Hexadecimal	39h	35h	38h	39h	35h	39h	39h	36h	30h
Character	9	5	8	9	5	9	9	6	0

2.125. Query INSTALLATION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	50h	03h
Character		A	D	Z	Z	;	Q	S	P	

■ Response (Callback)

FRONT-F

Hexadecimal	02h	30h	03h
Character		0	

REAR-F

Hexadecimal	02h	34h	03h
Character		1	

FRONT-C

Hexadecimal	02h	31h	03h
Character		2	

REAR-C

Hexadecimal	02h	32h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.126. Query PROJECTOR RUNTIME

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	54h	03h
Character		A	D	Z	Z	;	Q	S	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	*9	03h
Character		*2	*4	*6	*8	*10	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	0					1				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	99998					99999				
Hexadecimal	39h	39h	39h	39h	38h	39h	39h	39h	39h	39h
Character	9	9	9	9	8	9	9	9	9	9

2.127. Query LAMP RUNTIME

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	4Ch	3Ah	*1	03h
Character		A	D	Z	Z	;	Q	\$	L	:	*2	

■ Parameters (*1, *2)

	LAMP1	LAMP2	LAMP3	LAMP4
Hexadecimal	31h	32h	33h	34h
Character	1	2	3	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

■ Note:

- It returns with 65535 (five digits) when LAMP RUNTIME cannot be obtained.

2.128. Query LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Ch	03h
Character		A	D	Z	Z	;	Q	S	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4)

	QUAD		L1/L4		L2/L3		DUAL		L1/L2/L3	
Hexadecimal	30h		31h		32h		33h		34h	
Character	0		1		2		3		4	
	L1/L2/L4		L1/L3/L4		L2/L3/L4		TRIPLE		L1	
Hexadecimal	35h		36h		37h		38h		39h	
Character	5		6		7		8		9	
	L2		L3		L4		SINGLE			
Hexadecimal	31h	30h	31h	31h	31h	32h	31h	33h		
Character	1	0	1	1	1	2	1	3		

■ Note:

- The response (callback) of QUAD (0) - L1 (9) is one digit.

2.129. Query Lamp Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h		53h	03h
Character		A	D	Z	Z	;	Q	\$	S	

■ Response (Callback)

Lamp OFF

Hexadecimal	02h	30h	03h
Character		0	

In turning ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	31h	03h
Character		2	

Cooling

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.130. Query VPS SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	59h	03h
Character		A	D	Z	Z	;	Q	V	Y	

■ Response (Callback)

SLAVE

Hexadecimal	02h	30h	03h
Character		0	

MASTER

Hexadecimal	02h	32h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.131. Query TEMP.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Dh	3Ah
Character		A	D	Z	Z	;	Q	T	M	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	Intake air		Exhaust air		Optical module	
Hexadecimal	30h		31h		32h	
Character	0		1		2	

■ Response (Callback)

For -20°C

		Celsius					Fahrenheit				
Hexadecimal	02h	2Dh	30h	32h	30h	2Fh	2Dh	30h	30h	34h	03h
Character		-	0	2	0	/	-	0	0	4	

For 120°C

		Celsius					Fahrenheit				
Hexadecimal	02h	30h	31h	32h	30h	2Fh	30h	32h	34h	38h	03h
Character		0	1	2	0	/	0	2	4	8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.132. Query ALTITUDE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	4Dh	03h
Character		A	D	Z	Z	;	Q	F	M	

■ Response (Callback)

LOW

Hexadecimal	02h	30h	03h
Character		0	

HIGH

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☐	☐	☐	☐	☐

2.133. Query FUNC1

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	43h	03h
Character		A	D	Z	Z	;	Q	F	C	

■ Response (Callback)

P I N P

Hexadecimal	02h	30h	03h
Character		0	

SUB MEMORY LIST

Hexadecimal	02h	33h	03h
Character		3	

SYSTEM SELECTOR

Hexadecimal	02h	34h	03h
Character		4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☐	☐	☐	☐	☐

2.134. Query Usage Condition of Sub Memory

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	42h	03h
Character		A	D	Z	Z	;	Q	S	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☒	☒	☐	☐	☐

■ Parameters (*1, *2, *3, *4)

When the sub memory is not used, ER401 is returned.

	01		02		03		04	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	93		94		95		96	
Hexadecimal	39h	33h	39h	34h	39h	35h	39h	36h
Character	9	3	9	4	9	5	9	6

2.135. Query DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	4Ch	03h
Character		A	D	Z	Z	;	Q	E	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
☐	☐	☐	☐	☐	☐

■ Parameters (*1, *2)

	EDID1		EDID2(PC)	
Hexadecimal	31h		32h	
Character	1		2	

2.136. Query AUX DVI EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	Q	E	D	:
Hexadecimal	41h	55h	58h	03h						
Character	A	U	X							

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2)

	EDID1	EDID2(PC)
Hexadecimal	31h	32h
Character	1	2

2.137. Query P IN P

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	50h	03h
Character		A	D	Z	Z	;	Q	P	P	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	OFF	USER1	USER2	USER3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.138. Query P IN P - MAIN WINDOW

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	4Dh	03h
Character		A	D	Z	Z	;	Q	I	M	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	RGB1			RGB2			DVI		
Hexadecimal	52h	47h	31h	52h	47h	32h	44h	56h	49h
Character	R	G	1	R	G	2	D	V	I
	VIDEO			S VIDEO			AUX		
Hexadecimal	56h	49h	44h	53h	56h	44h	41h	55h	58h
Character	V	I	D	S	V	D	A	U	X

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.139. Query P IN P - MAIN WINDOW:SIZE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Dh	03h
Character		A	D	Z	Z	;	Q	S	M	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	2Ch	56h	*5	*7	*9	2Ch	48h
Character		*2	*4	,	V	*6	*8	*10	,	H
Hexadecimal	*11	*13	*15	2Ch	48h	56h	*17	*19	*21	03h
Character	*12	*14	*16	,	H	V	*18	*20	*22	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4)

INTERLOCKED

	OFF		ON	
Hexadecimal	4Fh	46h	4Fh	4Eh
Character	O	F	O	N

■ Parameters (*5, *6, *7, *8, *9, *10)

V SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Parameters (*11, *12, *13, *14, *15, *16)

H SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Parameters (*17, *18, *19, *20, *21, *22)

HV SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.140. Query P IN P - MAIN WINDOW:POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	4Dh	03h
Character		A	D	Z	Z	;	Q	P	A	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	*1	*3	*5	*7	2Ch	48h	*9	*11	*13	*15	03h
Character		V	*2	*4	*6	*8	,	H	*10	*12	*14	*16	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

V POSITION

D10000

	-505				-504				-503			
Hexadecimal	2Dh	35h	30h	35h	2Dh	35h	30h	34h	2Dh	35h	30h	33h
Character	-	5	0	5	-	5	0	4	-	5	0	3
	+503				+504				+505			
Hexadecimal	2Bh	35h	30h	33h	2Bh	35h	30h	34h	2Bh	35h	30h	35h
Character	+	5	0	3	+	5	0	4	+	5	0	3

DW10000

	-520				-519				-518			
Hexadecimal	2Dh	35h	32h	30h	2Dh	35h	31h	39h	2Dh	35h	31h	38h
Character	-	5	2	0	-	5	1	9	-	5	1	8
	+518				+519				+520			
Hexadecimal	2Bh	35h	31h	38h	2Bh	35h	31h	39h	2Bh	35h	32h	30h
Character	+	5	1	8	+	5	1	9	+	5	2	0

■ Parameters(*9, *10, *11, *12, *13, *14, *15, *16)

H POSITION

D10000

	-674				-673				-672			
Hexadecimal	2Dh	36h	37h	34h	2Dh	36h	37h	33h	2Dh	36h	37h	32h
Character	-	6	7	4	-	6	7	3	-	6	7	2
	+672				+673				+674			
Hexadecimal	2Bh	36h	37h	32h	2Bh	36h	37h	33h	2Bh	36h	37h	34h
Character	+	6	7	2	+	6	7	3	+	6	7	4

DW10000

	-926				-925				-924			
Hexadecimal	2Dh	39h	32h	36h	2Dh	39h	32h	35h	2Dh	39h	32h	34h
Character	-	9	2	6	-	9	2	5	-	9	2	4
	+924				+925				+926			
Hexadecimal	2Bh	39h	32h	34h	2Bh	39h	32h	35h	2Bh	39h	32h	36h
Character	+	9	2	4	+	9	2	5	+	9	2	6

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.141. Query P IN P - SUB WINDOW

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	53h	03h
Character		A	D	Z	Z	;	Q	I	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	RGB1			RGB2			DVI		
Hexadecimal	52h	47h	31h	52h	47h	32h	44h	56h	49h
Character	R	G	1	R	G	2	D	V	I
	VIDEO			S VIDEO			AUX		
Hexadecimal	56h	49h	44hh	53h	56h	44h	41h	55h	58h
Character	V	I	D	S	V	D	A	U	X

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.142. Query P IN P - SUB WINDOW:SIZE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	53h	03h
Character		A	D	Z	Z	;	Q	S	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	2Ch	56h	*5	*7	*9	2Ch	48h
Character		*2	*4	,	V	*6	*8	*10	,	H
Hexadecimal	*11	*13	*15	2Ch	48h	56h	*17	*19	*21	03h
Character	*12	*14	*16	,	H	V	*18	*20	*22	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4)

INTERLOCKED

	OFF		ON	
Hexadecimal	4Fh	46h	4Fh	4Eh
Character	O	F	O	N

■ Parameters (*5, *6, *7, *8, *9, *10)

V SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Parameters (*11, *12, *13, *14, *15, *16)

H SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Parameters (*17, *18, *19, *20, *21, *22)

HV SIZE

	10			11			12			13			14		
Hexadecimal	30h	31h	30h	30h	31h	31h	30h	31h	32h	30h	31h	33h	30h	31h	34h
Character	0	1	0	0	1	1	0	1	2	0	1	3	0	1	4
	96			97			98			99			100		
Hexadecimal	30h	39h	36h	30h	39h	37h	30h	39h	38h	30h	39h	39h	31h	30h	30h
Character	0	9	6	0	9	7	0	9	8	0	9	9	1	0	0

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.143. Query P IN P - SUB WINDOW:POSITION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	53h	03h
Character		A	D	Z	Z	;	Q	P	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	*1	*3	*5	*7	2Ch	48h	*9	*11	*13	*15	03h
Character		V	*2	*4	*6	*8	,	H	*10	*12	*14	*16	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

V POSITION

D10000

	-505				-504				-503			
Hexadecimal	2Dh	35h	30h	35h	2Dh	35h	30h	34h	2Dh	35h	30h	33h
Character	-	5	0	5	-	5	0	4	-	5	0	3
	+503				+504				+505			
Hexadecimal	2Bh	35h	30h	33h	2Bh	35h	30h	34h	2Bh	35h	30h	35h
Character	+	5	0	3	+	5	0	4	+	5	0	3

DW10000

	-520				-519				-518			
Hexadecimal	2Dh	35h	32h	30h	2Dh	35h	31h	39h	2Dh	35h	31h	38h
Character	-	5	2	0	-	5	1	9	-	5	1	8
	+518				+519				+520			
Hexadecimal	2Bh	35h	31h	38h	2Bh	35h	31h	39h	2Bh	35h	32h	30h
Character	+	5	1	8	+	5	1	9	+	5	2	0

■ Parameters (*9, *10, *11, *12, *13, *14, *15, *16)

H POSITION

D10000

	-674				-673				-672			
Hexadecimal	2Dh	36h	37h	34h	2Dh	36h	37h	33h	2Dh	36h	37h	32h
Character	-	6	7	4	-	6	7	3	-	6	7	2
	+672				+673				+674			
Hexadecimal	2Bh	36h	37h	32h	2Bh	36h	37h	33h	2Bh	36h	37h	34h
Character	+	6	7	2	+	6	7	3	+	6	7	4

DW10000

	-926				-925				-924			
Hexadecimal	2Dh	39h	32h	36h	2Dh	39h	32h	35h	2Dh	39h	32h	34h
Character	-	9	2	6	-	9	2	5	-	9	2	4
	+924				+925				+926			
Hexadecimal	2Bh	39h	32h	34h	2Bh	39h	32h	35h	2Bh	39h	32h	36h
Character	+	9	2	4	+	9	2	5	+	9	2	6

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.144. Query P IN P - FRAME LOCK

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	46h	03h
Character		A	D	Z	Z	;	Q	P	F	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	MAIN WINDOW	SUB WINDOW
Hexadecimal	30h	31h
Character	0	1

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.145. Query P IN P - TYPE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	54h	03h
Character		A	D	Z	Z	;	Q	P	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

■ Parameters (*1, *2)

	MAIN WINDOW	SUB WINDOW
Hexadecimal	30h	31h
Character	0	1

■ Note:

- When FRAME DELAY is set besides DEFAULT, ER401 is returned.

2.146. Query Date

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	44h	03h
Character		A	D	Z	Z	;	Q	G	D	

■ Response (Callback)

Hexadecimal	02h	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character											

■ Parameters

*y1 - *y4: Year (4 digits)

*m1, *m2: Month (2 digits)

*d1, *d2: Day (2 digits)

*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)

Set it by UTC (Coordinated Universal Time).

Example: Thursday, June 29, 2006

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	36h	30h	36h	32h	39h	34h
Character	2	0	0	6	0	6	2	9	4

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.147. Query Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	54h	03h
Character		A	D	Z	Z	;	Q	G	T	

■ Response (Callback)

Hexadecimal	02h	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character								

■ Parameters

*h1, *h2: Hour (2 digits)

*m1, *m2 : Minute (2 digits)

*s1, *s2 : Second (2 digits)

Set it by UTC (Coordinated Universal Time).

Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.148. Query Model (Series) Name

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	44h	03h
Character		A	D	Z	Z	;	Q	I	D	

■ Response (Callback)

In the period when the command can be accepted

D10000

Hexadecimal	02h	44h	31h	30h	30h	30h	30h	03h
Character		D	1	0	0	0	0	

DW10000

Hexadecimal	02h	44h	57h	31h	30h	30h	30h	30h	03h
Character		D	W	1	0	0	0	0	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

2.149. Query Lamp ON Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	h	h	03h
Character		A	D	Z	Z	;	Q	L	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4)

	Lamp OFF		L1/ L2/L3/L4 ON		L1/L4 on	L2/L3	L1/L2/L3
Hexadecimal	30h		31h		32h	33h	34h
Character	0		1		2	3	4
	L1/L2/L4		L1/L3/L4		L2/L3/L4	L1	L2
Hexadecimal	35h		36h		37h	38h	39h
Character	5		6		7	8	9
	L3		L4				
Hexadecimal	31h	30h	31h	31h			
Character	1	0	1	1			

Extended Control Command

Start (STX)	ID	Command	Parameters	End (ETX)
1 byte	1 byte	1 byte or 3 bytes	Undefined length	1 byte

ID of the extended control command

ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)	ID	Hexadecimal (1 byte)
ALL	00	ID23	17	ID46	2E	Group E	84
ID1	01	ID24	18	ID47	2F	Group F	85
ID2	02	ID25	19	ID48	30	Group G	86
ID3	03	ID26	1A	ID49	31	Group H	87
ID4	04	ID27	1B	ID50	32	Group I	88
ID5	05	ID28	1C	ID51	33	Group J	89
ID6	06	ID29	1D	ID52	34	Group K	8A
ID7	07	ID30	1E	ID53	35	Group L	8B
ID8	08	ID31	1F	ID54	36	Group M	8C
ID9	09	ID32	20	ID55	37	Group N	8D
ID10	0A	ID33	21	ID56	38	Group O	8E
ID11	0B	ID34	22	ID57	39	Group P	8F
ID12	0C	ID35	23	ID58	3A	Group Q	90
ID13	0D	ID36	24	ID59	3B	Group R	91
ID14	0E	ID37	25	ID60	3C	Group S	92
ID15	0F	ID38	26	ID61	3D	Group T	93
ID16	10	ID39	27	ID62	3E	Group U	94
ID17	11	ID40	28	ID63	3F	Group V	95
ID18	12	ID41	29	ID64	40	Group W	96
ID19	13	ID42	2A	Group A	80	Group X	97
ID20	14	ID43	2B	Group B	81	Group Y	98
ID21	15	ID44	2C	Group C	82	Group Z	99
ID22	16	ID45	2D	Group D	83		

2.150. Lens Control

Hexadecimal	02h	*1	B1h	7Ch	*2	*3	*4	03h
Remarks	STX	ID	Command	Parameters				ETX

■ Parameters (*2)

	LENS SHIFT H	LENS SHIFT V	LENS FOCUS	LENS ZOOM
Hexadecimal	00h	01h	02h	03h

■ Parameters (*3)

	Slowly	Normal	Fast	Home position *
Hexadecimal	00h	01h	02h	80h

■ Parameters (*4)

	Right / Up / Forward / In / Cancel	Left / Down / Backward / Out / Start
Hexadecimal	00h	01h

■ Note:

- It is effective only when the parameter (*2) is LENS SHIFT H (00h) or LENS SHIFT V (01h).

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*5	B3h	7Ch	*2	*3	*4	03h
	STX	ID	Callback	Parameters				ETX

In the period when the command cannot be accepted

Hexadecimal	02h	*5	FFh	03h
	STX	ID	Error	ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	×	○	○	○	○

2.151. SELF CHECK Information

Hexadecimal	02h	*1	FEh	FEh	03h
Remarks	STX	ID	Command	Option	ETX

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*5	FEh	FEh	*2	*3	*4	-	*15	*16	*17	03h
	STX	ID			Parameters							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	TEST PATTERN	REMOTE2
○	○	○	○	○	○

■ Parameters (*2 - *17)

Bit	Name	Description	Condition of Clear Bit
0	Temperature warning (IN)	Intake air temperature is the specific value or higher.	It is less than the specific value.
1	Temperature warning (OPT)	Optical module (DMD surroundings) temperature is the specific value or higher.	It is less than the specific value.
2	Temperature warning (OUT)	Exhaust air temperature is the specific value or higher.	It is less than the specific value.
3	Low temperature warning (OPT)	Optical module (DMD surroundings) temperature is less than the specific value.	It is the specific value or higher.
4	Temperature error (IN)	Intake air temperature is the specific value or higher.	It is less than the specific value.
5	Temperature error (OPT)	Optical module (DMD surroundings) temperature is the specific value or higher.	It is less than the specific value.
6	Temperature error (OUT)	Exhaust air temperature is the specific value or higher.	It is less than the specific value.
7	Low temperature error (OPT)	Optical module (DMD surroundings) temperature is less than the specific value.	It is the specific value or higher.
8	Lamp 1 operating time warning	Lamp cumulative usage time is the specific value or longer.	Lamp replacement
9	Lamp 2 operating time warning		
10	Lamp 3 operating time warning		
11	Lamp 4 operating time warning		
12	Lamp 1 operating time exceeded	Lamp cumulative usage time is the specific value or longer.	
13	Lamp 2 operating time exceeded		
14	Lamp 3 operating time exceeded		
15	Lamp 4 operating time exceeded		
16	Lamp 1 going out	Lamp goes out after turning on.	Executes the lamp turning on processing.
17	Lamp 2 going out		
18	Lamp 3 going out		
19	Lamp 4 going out		
20	Lamp 1 lighting failure	Lamp ignition failure	
21	Lamp 2 lighting failure		
22	Lamp 3 lighting failure		
23	Lamp 4 lighting failure		
24	Lamp 1 not installed	Lamp not installed, or Lamp memory read failure	MAIN POWER ON after the lamp is installed, or Lamp memory initialization
25	Lamp 2 not installed		
26	Lamp 3 not installed		
27	Lamp 4 not installed		
28	AC power supply voltage drop warning (less than 90 V)		
29	Lamp unit cover is not closed	Lamp unit cover is not closed for 1 second or longer.	POWER ON after the lamp unit cover is closed
30	-		
31	-		

32	Thermosensor disconnected (IN)	Intake air thermosensor is disconnected.	MAIN POWER ON
33	Thermosensor disconnected (OPT)	Optical module (DMD) thermosensor is disconnected.	
34	Thermosensor disconnected (OUT)	Exhaust air thermosensor is disconnected.	
35	Airflow sensor disconnected	Airflow sensor is disconnected.	
36	Air filter is blocked		
37	Internal clock battery replacement	The date is before December 31, 2005 or after January 1, 2036.	Sets the date after the battery is replaced.
38	-		
39	-		
40	-		
41	-		
42	-		
43	-		
44	-		
45	-		
46	-		
47	-		
48	Fan error 1	Power unit fan	Fan normal operation
49	Fan error 2	Lamp fan 1	
50	Fan error 3	Lamp fan 2	
51	Fan error 4	Lamp fan 3	
52	Fan error 5	Lamp fan 4	
53	Fan error 6	Ballast fan 1	
54	Fan error 7	Ballast fan 3	
55	Fan error 8	Radiator fan	
56	Fan error 9	Exhaust fan (C)	
57	Fan error 10	Exhaust fan (L)	
58	Fan error 11	Exhaust fan (R)	
59	Fan error 12	R-DMD fan	
60	Fan error 13	Liquid cooling pump (G)	
61	Fan error 14	Liquid cooling pump (B)	
62	Fan error 15	Color prism fan	
63	Fan error 16	Lamp prism fan	
64	Fan error 17	Ballast fan 2	
65	Fan error 18	Ballast fan 4	
66	Shutter error	Shutter error	Shutter ON/OFF
67	Dynamic iris error		
68	Air filter unit error	Air filter cleaning processing time-out	Executes cleaning.
69	2.5 V DC error	The voltage is higher than 120% or lower than 80%.	POWER ON
70	3.3 V DC error		
71	5.0 V DC error		
72	Lamp 1 uninitialization	Lamp EEPROM is not initialized.	Lamp EEPROM initialization
73	Lamp 2 uninitialization		
74	Lamp 3 uninitialization		
75	Lamp 4 uninitialization		
76	Lamp 1 PFC error		
77	Lamp 2 PFC error		
78	Lamp 3 PFC error		
79	Lamp 4 PFC error		
80	FPGA1 configuration error		
81	FPGA2 SXGA+ configuration error		

82	FPGA2 FULL-HD configuration error		
83	FLASH ROM error		
84	RAM error		
85	FPGA evolvement error		
86	Lens shift error		
87	-		
88	-		
89	-		
90	-		
91	-		
92	-		
93	-		
94	-		
95	-		
96	RESIZE setting error		MAIN POWER ON
97	Network CPU communication error		MAIN POWER ON
98	Sub CPU communication error		MAIN POWER ON
99	IIC communication retry 1		
100	IIC communication retry 2		
101	IIC communication retry 3		
102	IIC communication retry 4		
103	IIC communication retry 5		
104	IIC communication retry 6		
105	IIC communication retry 7		
106	IIC communication retry 8		
107	IIC communication retry 9		
108	IIC communication retry 10		
109	IIC communication retry 11		
110	IIC communication retry 12		
111	IIC communication retry 13		
112	IIC communication retry 14		
113	IIC communication retry 15		
114	IIC communication retry 16		
115	A·P.C.Board uninitialization		A·P.C.Board initialization
116	FM·R test failure	RDRAM test error	POWER ON
117	FM·G test failure		
118	FM·B test failure		
119	FPGA1 setting error		
120	FPGA2 setting error		
121	FM communication error	Communication error with FM	MAIN POWER ON
122	-		
123	-		
124	-		
125	-		
126	Internal error (Used in main CPU)	All fans have stopped in the factory mode.	POWER ON
127	Internal error (Used in main CPU)	Error Axx has been occurred.	When the error Axx is canceled

■ Note:

- In this projector, must specify option FEh.